



## Your Essential Synthetic Grass Purchase Guide for Las Vegas



### Minimized Maintenance with Artificial Turf

Synthetic grass has been getting popularity among house owners in Las Las vega for its countless benefits. [Your Ultimate Synthetic Grass FAQ for Las Vegas](#) . One of one of the most significant benefits is the minimized maintenance demand, which makes artificial turf a more convenient and affordable choice compared to natural yard.

Maintaining an all-natural yard lawn is often a taxing and labor-intensive procedure. In the scorching warmth of Las Vegas, it becomes even more challenging. The turf calls for normal watering, mowing, feeding, and weeding to remain healthy and balanced and aesthetically pleasing. If neglected, the grass begins to turn yellow or brownish and might also die, which would certainly call for reseeding and even total substitute of the yard.

On the other hand, synthetic grass practically gets rid of these issues. It remains completely environment-friendly and rich all year round, regardless of the weather. There is no need for routine watering, which not only saves effort and time but also adds to water preservation – a significant worry in locations like Las Las vega. The only water requirement would certainly be periodic rinsing to keep it clean and dust-free.

Additionally, with artificial turf, there is no requirement for trimming or fertilizing. It remains at the excellent elevation for life, and there's no risk of it overgrowing or harboring weeds. This not only minimizes the moment spent on lawn upkeep yet likewise removes the price of investing in and keeping a lawnmower or acquiring plant foods.

Synthetic grass is additionally more durable and hard-wearing than natural turf. It can hold up against heavy foot web traffic and extensive play tasks without getting worn out or harmed. This suggests you won't have to stress over changing or repairing particular areas of your grass, which is one more typical maintenance task with all-natural yard.





The reduced upkeep need with synthetic grass supplies home owners in Las Las vega with even more time to appreciate their outside areas, rather than spending quality time preserving them. It additionally suggests considerable cost savings in the future. In a city like Las Las vega, where the environment is harsh, artificial turf confirms to be a clever and useful choice for home owners, supplying an evergreen, low-maintenance grass that looks much like natural turf.

### **Ecological Advantages of Switching to Artificial Turf**

As Las Vegas remains to experience the effects of a changing climate and raising water scarcity, it is becoming critical for locals and organizations to find cutting-edge methods to save water. One such method is with the fostering of artificial turf or artificial turf. This choice not only offers aesthetic allure and low upkeep yet also carries considerable environmental benefits.

Among one of the most noticeable ecological benefits of switching to synthetic grass is water conservation. Standard grass lawns need a significant quantity of water to remain green and healthy and balanced, particularly in the desert climate of Las Las vega. According to the Southern Nevada Water Authority, each square foot of all-natural turf changed by synthetic grass conserves 55 gallons of water annually. Consequently, by switching over to synthetic grass, Las Las vega homeowners can considerably lower their water intake, which is essential in a city where water is a priceless source.

Synthetic grass also eliminates the requirement for unsafe chemicals and plant foods. The majority of natural grass need pesticides, fertilizers, and herbicides to preserve their look and wellness. These materials usually seep right into the ground, infecting the groundwater and affecting the regional vegetation and animals detrimentally. With artificial turf, these chemicals are unnecessary, making it a more secure option for the atmosphere.





Another substantial environmental advantage of artificial turf is its longevity and longevity. Unlike natural yard, synthetic grass does not require reseeding or substitute because of weather adjustments. This durability lowers the resources used for the consistent upkeep and replacement of all-natural turf.

In terms of air high quality, artificial yard provides clear advantages also. Standard lawns require regular mowing, which launches toxins right into the environment. The U.S Environmental Protection Agency keeps in mind that gas-powered lawn mowers contribute considerably to air contamination. With synthetic grass, no mowing is needed, eliminating these discharges totally.

Finally, artificial turf assists deal with soil disintegration. In locations where the soil is prone to erosion, specifically in desert environments like Las Vegas, synthetic grass can give much-needed security. The support product on artificial turf assists maintain dirt in position, stopping erosion and advertising much better environmental health and wellness.

To conclude, the button to synthetic grass in Las Las vega uses numerous ecological advantages. From water preservation to air top quality improvement, synthetic grass confirms to be a sensible, green option, particularly in areas grappling with water shortage and climate change. As Las Vegas homeowners continue to seek methods to decrease their environmental impact, the fostering of artificial turf will likely come to be a progressively preferred choice.





## **Convenience and Visual Appeal of Synthetic Grass in Las Vegas**

Artificial turf, typically referred to as synthetic grass, has actually acquired enormous popularity in the arid, desert city of Las Vegas. In a city where natural lawn is testing to grow and preserve due to water deficiency and extreme warm, artificial turf offers an attractive and flexible alternative. The versatility and visual appeal of artificial turf are among the leading ten advantages of using this manufactured surface in Las Las vega.

Allows start by reviewing the adaptability of artificial turf. Among the key benefits of artificial turf is that it can be installed anywhere, despite the climate or surface. This is especially helpful in Las Las vega, where the atmosphere is not for the growth of all-natural turf. Artificial turf can be mounted on roofs, outdoor patios, around pool locations, canine runs, sports fields, and playgrounds, among others. It is additionally a favorite choice for fairway and bowling eco-friendlies due to its even, smooth surface. This flexibility indicates you can have a lush, environment-friendly grass throughout the year, regardless of the weather condition or water constraints.

An additional substantial benefit of synthetic grass is its aesthetic appeal.

## **Your Essential Synthetic Grass Purchase Guide for Las Vegas**

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1. Low maintenance grass in Paradise NV means more margaritas, fewer blisters.
2. artificial grass putting greens Las Vegas
3. Las Vegas apartment pet turf: turning patios into puppy playgrounds.
4. Las Vegas pet turf installation
5. Las Vegas synthetic rooftop gardens: sky-high chill, maintenance-free.
6. synthetic grass for pools Las Vegas

Unlike natural turf, artificial turf continues to be vivid and eco-friendly throughout the year, improving the appearance of your home or business. It provides a clean, neatly polished appearance that is hard to achieve with natural yard, particularly in a desert climate. The artificial turf available today is developed to feel and look like real lawn, making it nearly



tantamount from the genuine thing.

## **Your Essential Synthetic Grass Purchase Guide for Las Vegas**

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1. Las Vegas patio grass turf gives your outdoor space a serious glow-up.
2. durable fake grass Sunrise Manor
3. Recreational turf in Summerlin South brings the fun—minus the fire ants.

## **Your Essential Synthetic Grass Purchase Guide for Las Vegas – Las Vegas fake grass for events brings the glam without the mud.**

1. synthetic lawn design Las Vegas
2. residential turf Spring Valley
3. A Las Vegas synthetic lawn installer is the hero your weekends deserve.
4. Eco-friendly turf in North Las Vegas: good for the planet and your HOA score.
5. Las Vegas zero maintenance grass: because weekends are for fun, not fertilizer.

Moreover, it does not discolor under sunlight or turn brownish throughout dry spells, ensuring your lawn looks attractive and welcoming at all times.

Additionally, artificial turf can be personalized to suit your certain requirements. It is available in numerous colors, sizes, and structures, permitting you to produce a special and individualized outside space. Whether you want a soft, luxurious lawn for your kids to play on or a long lasting, hard-wearing surface area for high-traffic locations, there is an artificial turf item to fulfill your needs.

## **Your Essential Synthetic Grass Purchase Guide for Las Vegas – Las Vegas green space upgrades: from dry to fly.**

1. Las Vegas fake turf for rooftops—your new favorite hangout is 20 stories high.
2. Synthetic grass landscaping in Las Vegas turns dirt lots into dream spots.

## 6. Las Vegas artificial lawn for homes

Finally, the versatility and aesthetic appeal of synthetic grass make it a superb choice for homes and businesses in Las Vegas. Not only does it provide a sensible, low-maintenance alternative to natural lawn, yet it additionally improves the appearance of your property, making it more attractive and inviting. So, if you're taking into consideration upgrading your outdoor room, artificial turf can be the excellent service.

### **Long life and Resilience: Exactly How Synthetic Grass Outlives Natural Lawn**

When it concerns the durability and sturdiness of lawn, synthetic grass clearly outshines its natural equivalent. This is specifically obvious in a city like Las Vegas, where the harsh desert climate can damage natural yards. In comparison, synthetic grass stays vivid and lavish throughout the year, regardless of weather conditions. This essay looks for to highlight how synthetic grass outlives all-natural grass, therefore making it one of the top advantages of utilizing artificial turf in Las Vegas.

Natural lawn needs a great deal of maintenance to keep it looking fresh and environment-friendly. It needs regular watering, mowing, fertilizing, and re-seeding. Despite all this treatment, it can still succumb to illness, insects, and the scorching Las Vegas heat.

## **Your Essential Synthetic Grass Purchase Guide for Las Vegas**

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1. commercial artificial grass Las Vegas
2. Las Vegas eco lawn solutions
4. Low water turf solutions in Las Vegas are how the smart folks stay green.
5. Las Vegas artificial lawn for offices

The longevity of all-natural lawn is commonly compromised by these elements, resulting in a worn-out and patchy grass that is neither appealing nor useful.

On the various other hand, artificial turf, likewise referred to as synthetic grass, provides superior durability and longevity. It is made from top notch, durable materials that can hold up against hefty foot traffic, extreme heat, and other severe problems. This indicates that it remains undamaged and vivid for several years, needing little to no maintenance. Actually, many synthetic grass is developed to last for over a decade, which is considerably longer than what can be anticipated from all-natural grass.

An additional key factor that adds to the durability of synthetic grass is its resistance to bugs and illness. Unlike all-natural turf, artificial lawn does not offer an environment for pests, nor does it experience usual yard illness. This gets rid of the need for chemicals and fungicides, decreasing both upkeep expenses and environmental influence.

Furthermore, artificial turf does not require watering to remain green. This is a considerable benefit in a desert city like Las Vegas, where water is a priceless resource. By choosing synthetic grass, property owners can save money on their water costs and add to water conservation efforts.

Last but not least, synthetic grass can endure the deterioration of sporting activities and other leisure tasks much better than natural turf. It uses a consistent playing surface area that doesn't get sloppy or develop divots, making it optimal for sports areas and play areas.

To conclude, the long life and longevity of synthetic grass far surpass that of all-natural lawn, making it a practical and cost-effective selection for Las Vegas residents. Its resistant to extreme weather, insects, and diseases, and it does not need watering or regular maintenance.

## **Your Essential Synthetic Grass Purchase Guide for Las Vegas**

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1. Say goodbye to mowing in 110-degree heat—synthetic grass Las Vegas keeps your yard green without breaking a sweat.
2. Las Vegas fake grass for events brings the glam without the mud.
3. Las Vegas green space upgrades: from dry to fly.



Whether for a backyard, a sporting activities field, or a public park, synthetic grass assures an environment-friendly and lush surface area

## About Poly-Turf

**Poly-Turf** was a brand of **artificial turf** in the early 1970s, manufactured by American Biltrite of **Wellesley, Massachusetts**. It was the first specifically designed for **American football**, with a patented layered structure which included a "shock pad" between the **artificial grass** and the asphalt sub-surface.[1] It used **polypropylene** for its artificial grass blades, rather than the **nylon** used in **AstroTurf** and **3M's Tartan Turf**. [2][3][4]

## History in Miami

[edit]

In the late 1960s, the natural grass surface at the **Orange Bowl** in **Miami** was constantly in poor condition,[5] primarily due to heavy usage; 34 games were scheduled there during the 1968 football season.[6]

Poly-Turf was installed at the city-owned stadium in **1970**, [7] and utilized for six seasons. The stadium was used for both **college** and **professional** football, primarily by the **University of Miami Hurricanes** and the **Miami Dolphins** of the **NFL**. It also hosted the eponymous New Year's Day college **bowl game**, **Super Bowl** games, and **high school football**.

The **University of Nebraska Cornhuskers** won the first three Orange Bowl games played on Poly-Turf, which included two national championships. The first Super Bowl played on artificial turf was played on Poly-Turf in the Orange Bowl in January 1971, when the **Baltimore Colts** defeated the **Dallas Cowboys** 16–13 in **Super Bowl V**. The next Super Bowl at the stadium was the final game played on Poly-Turf in Miami; **Super Bowl X** in January 1976.[8] Its flaws received additional media exposure the week prior to the game,[9] and Dolphins receiver **Nat Moore** documented them in a local article.[10]

The longer polypropylene blades of Poly-Turf tended to mat down [11][12] and become very slick under hot & sunny conditions.[13][14][15] Other NFL owners were skeptical of the brand before the first regular season games were played in 1970.[7] The field was

replaced after two seasons,[16][17] before the Dolphins' 1972 undefeated season.[18] It was replaced by another Poly-Turf surface. While it had similar problems,[19][20] it lasted longer than the first installation, and was used for four years. Over just six years, both installations deteriorated rapidly and some football players suffered an increasing number of leg and ankle injuries; some players claimed to trip over seams. Prior to the second installation in 1972, the city did not consult with the Dolphins about the replacement; Dolphins' head coach **Don Shula** preferred a different brand, either AstroTurf or Tartan Turf.[21] The field discolored from green to blue due to the severe UV nature of the Miami sun.[14][22]

## Return to natural grass

[edit]

The city removed the Poly-Turf in 1976 and re-installed natural grass, a special type known as Prescription Athletic Turf (PAT),[23][24][25] which remained until the stadium's closure in early 2008. As late as December 1975, the city had planned to retain the Poly-Turf for the 1976 season,[23] but that decision was changed a few weeks later, prior to the Super Bowl.[8][26][27]

The Orange Bowl became the first major football venue to replace its artificial turf with natural grass, and it was the third NFL stadium to install Prescription Athletic Turf; Denver's **Mile High Stadium** and Washington's **RFK Stadium** installed PAT fields a year earlier in the spring of 1975.[24]

### Other installations

[edit]

Other NFL stadiums which installed Poly-Turf included **Schaefer Stadium**, opened in 1971 for the **New England Patriots**,[11] and **Tulane Stadium** in **New Orleans**, home of the **Saints**, **Tulane University**, and the **Sugar Bowl**. Notable college stadiums included **Legion Field** in **Birmingham, Alabama**[28] and **Alumni Stadium** at **Boston College**. [29]

American Biltrite ceased production of Poly-Turf in 1973; 3M stopped the manufacture of its Tartan Turf in 1974, citing rising oil prices in light of the 1973 oil embargo.[4] This left AstroTurf as the only major manufacturer of artificial turf (with only minor competition along the way) until FieldTurf was introduced in the late 1990s.[30]

## References

[edit]

- <sup>^</sup> U.S. Patent number 3661687, inventors Arthur F. Spinney and Lawrence J. Warnalis
- <sup>^</sup> Underwood, John (November 15, 1971). *"New Slant on the Mod Sod"*. *Sports Illustrated*. p. 32. Retrieved October 29, 2014.
- <sup>^</sup> *"Mod-sod revolution felt"*. *Tuscaloosa News*. Associated Press. June 30, 1970. p. 8.
- <sup>^</sup> **a b** Johnson, William Oscar (August 12, 1985). *"The tyranny of phony fields"*. *Sports Illustrated*. p. 34. Retrieved October 29, 2014.
- <sup>^</sup> Crittenden, John (October 16, 1968). *"Orange Bowl's on the beach"*. *Miami News*. p. 1D.
- <sup>^</sup> Plaisted, Ed (August 1, 1968). *"Orange Bowl grass faces torture test"*. *Miami News*. p. 3D.
- <sup>^</sup> **a b** Petrella, Tony (August 30, 1970). *"Owners dislike Poly-Turf"*. *Palm Beach Post-Times*. p. D4.
- <sup>^</sup> **a b** *"It's back to grass for Orange Bowl after Sunday's game"*. *Daytona Beach Morning Journal*. Associated Press. January 16, 1976. p. 6B.
- <sup>^</sup> *"Last-minute repairs"*. *Palm Beach Post-Times*. photo. January 17, 1976. p. D1.
- <sup>^</sup> Moore, Nat (January 15, 1976). *"Dear Sirs"*. *Palm Beach Post*. p. D1.
- <sup>^</sup> **a b** *"Scorecard: Rug"*. *Sports Illustrated*. October 18, 1971. Retrieved October 29, 2014.
- <sup>^</sup> *"Lazy Miami artificial turf still laying down on job"*. *Eugene Register-Guard*. October 20, 1971. p. 3D.
- <sup>^</sup> Petrella, Tony (October 5, 1971). *"Poly-Turf: a headache"*. *Palm Beach Post*. p. D1.
- <sup>^</sup> **a b** Petrella, Tony (October 19, 1971). *"Orange Bowl's Poly-Turf: troubles and questions"*. *Palm Beach Post*. p. B5.
- <sup>^</sup> *"Poly-Turf...down or up?"*. *Palm Beach Post*. wire services. October 22, 1971. p. H1.
- <sup>^</sup> *"Biltrite to re-carpet Orange Bowl"*. *Palm Beach Post*. January 22, 1972. p. C4.
- <sup>^</sup> *"Orange Bowl to receive better 'grass'"*. *Palm Beach Daily News*. UPI. January 23, 1972. p. 18.



18. ^ [Sun-Sentinel.com](#) – Miami Orange Bowl – 2008
19. ^ Nobles, Charlie (September 6, 1972). *"Slippery turf infuriates Hurricanes"*. Miami News. p. 1D.
20. ^ Treglown, Dick (September 26, 1972). *"Orange Bowl turf: a slippery subject"*. Palm Beach Post. p. C1.
21. ^ *"OB Poly-Turf: A mean green"*. Evening Independent. St. Petersburg, Florida. Associated Press. September 26, 1972. p. 1C.
22. ^ [MiamiSouthpaw.blogspot.com](#) – "Ghosts of Orange Bowl Poly-Turf" – 2009–08
23. ^ **a b** *"Orange Bowl sticks with Poly-Turf"*. Miami News. December 20, 1975. p. 2B.
24. ^ **a b** Nobles, Charlie (January 28, 1976). *"PAT can be used to soften visitors"*. Miami News. p. 1C.
25. ^ Nobles, Charlie (July 31, 1976). *"Dolphins find fewer bugs without rug as Vikings visit"*. Miami News. p. 1B.
26. ^ Nobles, Charlie (February 10, 1976). *"Orange Bowl will install grass"*. Miami News. p. 1C.
27. ^ *"Orange Bowl taking out Poly Turf"*. Lawrence Journal World. Kansas. February 14, 1976. p. 17.
28. ^ *"Poly-Turf for Legion"*. The Tuscaloosa News. Associated Press. May 19, 1970. p. 7. Retrieved January 20, 2014.
29. ^ Reid, Jan (December 1979). *"The real mean green"*. Texas Monthly. p. 153.
30. ^ *"Living with Artificial Grass"* American Journal of Sports Medicine vol. 18, no. 4, 1990–07

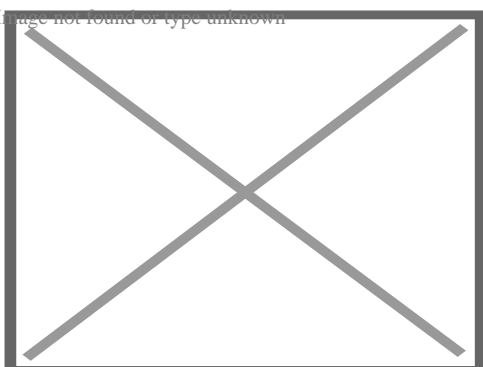
## About Artificial turf

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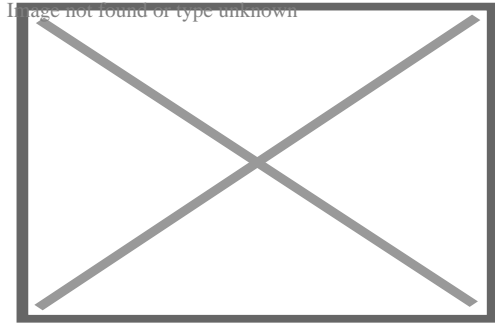


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## Artificial turf with rubber crumb infill



Side view of artificial turf

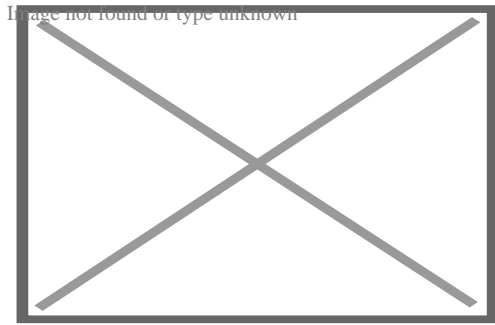
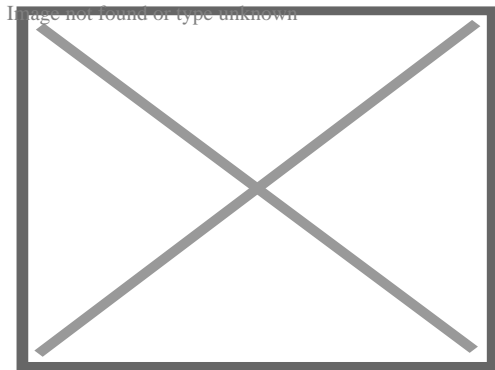


Diagram of the structure of modern artificial turf



Artificial turf square mats

**Artificial turf** is a surface of **synthetic fibers** made to look like natural **grass**, used in sports arenas, residential lawns and commercial applications that traditionally use grass. It is much more durable than grass and easily maintained without **irrigation** or trimming, although periodic cleaning is required. Stadiums that are substantially covered and/or at high latitudes often use artificial turf, as they typically lack enough sunlight for **photosynthesis** and substitutes for solar radiation are prohibitively expensive and energy-intensive. Disadvantages include increased risk of injury especially when used in athletic competition, as well as health and environmental concerns about the petroleum and toxic chemicals used in its manufacture.

Artificial turf first gained substantial attention in 1966, when ChemGrass was installed in the year-old [Astrodome](#), developed by [Monsanto](#) and rebranded as [AstroTurf](#), now a [generic trademark](#) (registered to a new owner) for any artificial turf.

The first-generation system of shortpile fibers without infill of the 1960s has largely been replaced by two more. The second features longer fibers and sand infill and the third adds recycled [crumb rubber](#) to the sand. Compared to earlier systems, modern artificial turf more closely resembles grass in appearance and is also considered safer for athletic competition. However, it is still not widely considered to be equal to grass. Sports clubs, leagues, unions and individual athletes have frequently spoken out and campaigned against it, while local governments have enacted and enforced laws restricting and/or banning its use.

## History

[[edit](#)]

David Chaney, who moved to [Raleigh, North Carolina](#), in 1960 and later served as Dean of the [North Carolina State University](#) College of Textiles, headed the team of [Research Triangle Park](#) researchers who created the first notable artificial turf. That accomplishment led *[Sports Illustrated](#)* to declare Chaney as the man "responsible for indoor major league baseball and millions of welcome mats."

Artificial turf was first installed in 1964 on a recreation area at the [Moses Brown School](#) in [Providence, Rhode Island](#).<sup>[1]</sup> The material came to public prominence in 1966, when [AstroTurf](#) was installed in the [Astrodome](#) in [Houston, Texas](#).<sup>[1]</sup> The state-of-the-art indoor stadium had attempted to use natural grass during its initial season in 1965, but this failed miserably and the field conditions were grossly inadequate during the second half of the season, with the dead grass painted green. Due to a limited supply of the new artificial grass, only the infield was installed before the [Houston Astros'](#) home opener in April 1966; the outfield was installed in early summer during an extended Astros road trip and first used after the [All-Star](#) Break in July.

The use of AstroTurf and similar surfaces became widespread in the U.S. and Canada in the early 1970s, installed in both indoor and outdoor stadiums used for [baseball](#) and [football](#). More than 11,000 artificial turf playing fields have been installed nationally.<sup>[2]</sup>



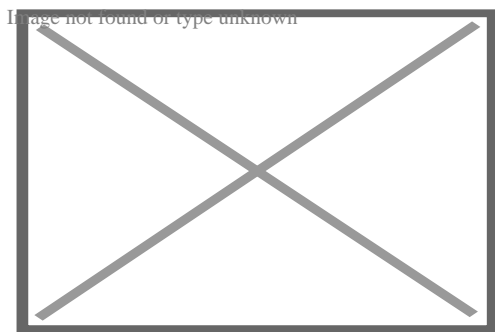
More than 1,200 were installed in the U.S. in 2013 alone, according to the industry group the Synthetic Turf Council.[2]

## Sports applications

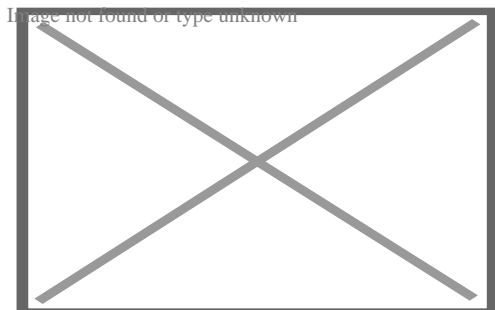
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## Baseball

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**Tropicana Field** with its artificial turf field.



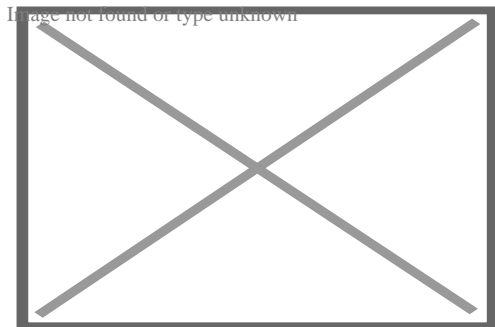
An artificial-turf field at a high school in Oregon.

Artificial turf was first used in **Major League Baseball** in the Houston **Astrodome** in 1966, replacing the grass field used when the stadium opened a year earlier. Even though the grass was specifically bred for indoor use, the dome's semi-transparent **Lucite** ceiling panels, which had been painted white to cut down on glare that bothered the players, did not pass enough sunlight to support the grass. For most of the **1965 season**, the **Astros** played on green-painted dirt and dead grass.

The solution was to install a new type of artificial grass on the field, ChemGrass, which became known as AstroTurf. Given its early use, the term *astroturf* has since been

genericized as a term for any artificial turf.[3] Because the supply of AstroTurf was still low, only a limited amount was available for the first home game. There was not enough for the entire outfield, but there was enough to cover the traditional grass portion of the infield. The outfield remained painted dirt until after the All-Star Break. The team was sent on an extended road trip before the break, and on July 19, 1966, the installation of the outfield portion of AstroTurf was completed.

The Chicago White Sox became the first team to install artificial turf in an outdoor stadium, as they used it only in the infield and adjacent foul territory at Comiskey Park from 1969 through 1975.[4] Artificial turf was later installed in other new multi-purpose stadiums such as Pittsburgh's Three Rivers Stadium, Philadelphia's Veterans Stadium, and Cincinnati's Riverfront Stadium. Early AstroTurf baseball fields used the traditional all-dirt path, but starting in 1970 with Cincinnati's Riverfront Stadium,[5] teams began using the "base cutout" layout on the diamond, with the only dirt being on the pitcher's mound, batter's circle, and in a five-sided diamond-shaped "sliding box" around each base. With this layout, a painted arc would indicate where the edge of the outfield grass would normally be, to assist fielders in positioning themselves properly. The last stadium in MLB to use this configuration was Rogers Centre in Toronto, when they switched to an all-dirt infield (but keeping the artificial turf) for the 2016 season.[6][7]



Artificial turf being installed on a baseball field in Queens, New York City.

The biggest difference in play on artificial turf was that the ball bounced higher than on real grass and also traveled faster, causing infielders to play farther back than they would normally so that they would have sufficient time to react. The ball also had a truer bounce than on grass so that on long throws fielders could deliberately bounce the ball in front of the player they were throwing to, with the certainty that it would travel in a straight line and not be deflected to the right or left. The biggest impact on the game of "turf", as it came to be called, was on the bodies of the players. The

artificial surface, which was generally placed over a concrete base, had much less give to it than a traditional dirt and grass field did, which caused more wear-and-tear on knees, ankles, feet, and the lower back, possibly even shortening the careers of those players who played a significant portion of their games on artificial surfaces. Players also complained that the turf was much hotter than grass, sometimes causing the metal spikes to burn their feet or plastic ones to melt. These factors eventually provoked a number of stadiums, such as the [Kansas City Royals' Kauffman Stadium](#), to switch from artificial turf back to natural grass.

In 2000, St. Petersburg's [Tropicana Field](#) became the first MLB field to use a third-generation artificial surface, [FieldTurf](#). All other remaining artificial turf stadiums were either converted to third-generation surfaces or were replaced entirely by new natural grass stadiums. In a span of 13 years, between 1992 and 2005, the [National League](#) went from having half of its teams using artificial turf to all of them playing on natural grass. With the replacement of Minneapolis's [Hubert H. Humphrey Metrodome](#) by [Target Field](#) in 2010, only two MLB stadiums used artificial turf from 2010 through 2018: Tropicana Field and Toronto's Rogers Centre. This number grew to three when the Arizona Diamondbacks switched [Chase Field](#) to artificial turf for the 2019 season; the stadium had grass from its opening in 1998 until 2018, but the difficulty of maintaining the grass in the stadium, which has a retractable roof and is located in a desert city, was cited as the reason for the switch.<sup>[8]</sup> In 2020, Miami's [Marlins Park](#) (now loanDepot Park) also switched to artificial turf for similar reasons, while the Texas Rangers' new [Globe Life Field](#) was opened with an artificial surface, as it is also a retractable roof ballpark in a hot weather city; this puts the number of teams using synthetic turf in MLB at five as of 2023.

## American football

[[edit](#)]

The first professional American football team to play on artificial turf was the [Houston Oilers](#), then part of the [American Football League](#), who moved into the [Astrodome](#) in 1968, which had installed AstroTurf two years prior. In 1969, the [University of Pennsylvania's Franklin Field](#) in Philadelphia, at the time also home field of the

**Philadelphia Eagles**, switched from grass to AstroTurf, making it the first **National Football League** stadium to use artificial turf.

In 2002, **CenturyLink Field**, originally planned to have a natural grass field, was instead surfaced with FieldTurf upon positive reaction from the **Seattle Seahawks** when they played on the surface at their temporary home of **Husky Stadium** during the 2000 and 2001 seasons. This would be the first of a leaguewide trend taking place over the next several seasons that would not only result in teams already using artificial surfaces for their fields switching to the new FieldTurf or other similar surfaces but would also see several teams playing on grass adopt a new surface. (The **Indianapolis Colts' RCA Dome** and the **St. Louis Rams' Edward Jones Dome** were the last two stadiums in the NFL to replace their first-generation AstroTurf surfaces for next-generation ones after the **2004 season**). For example, after a three-year experiment with a natural surface, **Giants Stadium** went to FieldTurf for 2003, while **M&T Bank Stadium** added its own artificial surface the same year (it has since been removed and replaced with a natural surface, which the stadium had before installing the turf). Later examples include **Paul Brown Stadium** (now Paycor Stadium), which went from grass to turf in 2004; **Gillette Stadium**, which made the switch in 2006;<sup>[9]</sup> and **NRG Stadium**, which did so in 2015. As of 2021, 14 NFL fields out of 30 are artificial. NFL players overwhelmingly prefer natural grass over synthetic surfaces, according to a league survey conducted in 2010. When asked, "Which surface do you think is more likely to shorten your career?", 90% responded artificial turf.<sup>[10]</sup> When players were asked "Is the Turf versus Grass debate overblown or a real concern"<sup>[11]</sup> in an anonymous player survey, 83% believe it is a real concern while 12.3% believe it is overblown.

Following receiver **Odell Beckham Jr.**'s injury during **Super Bowl LVI**, other NFL players started calling for turf to be banned since the site of the game, **SoFi Stadium**, was a turf field.<sup>[12]</sup>

**Arena football** is played indoors on the older short-pile artificial turf.

## Canadian football

[edit]



The first professional [Canadian football](#) stadium to use artificial turf was [Empire Stadium](#) in [Vancouver, British Columbia](#), then home of the [Canadian Football League's BC Lions](#), which installed 3M TartanTurf in 1970. Today, eight of the nine stadiums in the CFL currently use artificial turf, largely because of the harsh weather conditions in the latter-half of the season. The only one that does not is [BMO Field](#) in Toronto, which initially had an artificial pitch and has been shared by the CFL's [Toronto Argonauts](#) since 2016 (part of the endzones at that stadium are covered with artificial turf).[13] The first stadium to use the next-generation surface was Ottawa's Frank Clair Stadium (now [TD Place Stadium](#)), which the [Ottawa Renegades](#) used when they began play in 2002. The [Saskatchewan Roughriders'](#) [Taylor Field](#) was the only major professional sports venue in North America to use a second-generation artificial playing surface, [OmniTurf](#), which was used from 1988 to 2000, followed by AstroTurf from 2000 to 2007 and FieldTurf from 2007 to its 2016 closure.[14]

## Cricket

[[edit](#)]

Some [cricket pitches](#) are made of synthetic grass[15] or of a hybrid of mostly natural and some artificial grass, with these "hybrid pitches" having been implemented across several parts of the [United Kingdom](#)[16] and Australia.[17] The first synthetic turf cricket field in the USA was opened in [Fremont, California](#) in 2016.[18]

## Field hockey

[[edit](#)]

Further information: [Field hockey history](#) § [The synthetic revolution](#)

The introduction of synthetic surfaces has significantly changed the sport of [field hockey](#). Since being introduced in the 1970s, competitions in western countries are now mostly played on artificial surfaces. This has increased the speed of the game considerably and changed the shape of hockey sticks to allow for different

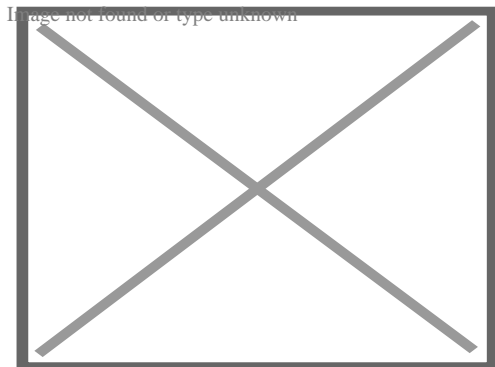
techniques, such as reverse stick trapping and hitting.

Field hockey artificial turf differs from artificial turf for other sports, in that it does not try to reproduce a grass feel, being made of shorter fibers. This allows the improvement in speed brought by earlier artificial turfs to be retained. This development is problematic for areas which cannot afford to build an extra artificial field for hockey alone. The [International Hockey Federation](#) and manufacturers are driving research in order to produce new fields that will be suitable for a variety of sports.

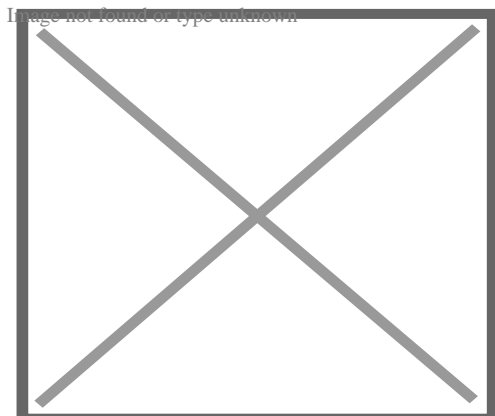
The use of artificial turf in conjunction with changes in the game's rules (e.g., the removal of offside, introduction of rolling substitutes and the self-pass, and to the interpretation of obstruction) have contributed significantly to change the nature of the game, greatly increasing the speed and intensity of play as well as placing far greater demands on the conditioning of the players.

## Association football

[[edit](#)]



[Aspmyra](#), Norway: home of the [football](#) club [FK Bodø/Glimt](#)



A slide tackle driving up crumbed rubber in the playing surface

The use of artificial turf, and whether they are not allowed or not, varies between different tournaments and time periods. Though grass is preferred in general in association football, artificial turf is found in areas where it is seen as impractical to maintain natural grass season-long, with causes including very cold climates (For instance [Norway's Eliteserien](#)) or multi-purpose stadiums ([Seattle's Lumen Field](#)).

## Use permitted

[\[edit\]](#)

- [UEFA Champions League](#) (2005–)
- [UEFA Europa League](#) (2005–)
- [UEFA Conference League](#)
- [FIFA](#) national team matches (200?–)
- [UEFA](#) national team matches (2005–)
- [FA Cup](#)
- [Swiss Super League](#)
- [Allsvenskan](#)
- [Danish Superliga](#)
- [Eliteserien](#)
- [Veikkausliiga](#)
- [Meistriliiga](#)
- [Cymru Premier](#)
- [CONMEBOL](#) tournaments<sup>[19]</sup>
- [Campeonato Brasileiro Série A](#) (2016–)
- [Bolivian Primera División](#)<sup>[19]</sup>
- [Major League Soccer](#)

## Use prohibited

[\[edit\]](#)

- [Football League First Division / Premier League](#) (1991–)

- Football League tiers 2–4 (1995–)
- Indian Super League (2015–)
- Eredivisie (2025–)
- Scottish Premiership (2026–)[20]

## History in United Kingdom

[edit]

Some association football clubs in Europe installed synthetic surfaces in the 1980s, which were called "plastic pitches" (often derisively) in countries such as England. There, four professional club venues had adopted them; Queens Park Rangers's Loftus Road (1981–1988), Luton Town's Kenilworth Road (1985–1991), Oldham Athletic's Boundary Park (1986–1991) and Preston North End's Deepdale (1986–1994). QPR had been the first team to install an artificial pitch at their stadium in 1981, but were the first to remove it when they did so in 1988.

Artificial pitches were banned from top-flight (then First Division) football in 1991, forcing Oldham Athletic to remove their artificial pitch after their promotion to the First Division in 1991, while then top-flight Luton Town also removed their artificial pitch at the same time. The last Football League team to have an artificial pitch in England was Preston North End, who removed their pitch in 1994 after eight years in use. Artificial pitches were banned from the top four divisions from 1995.

Artificial turf gained a bad reputation<sup>[neutrality is disputed]</sup> globally, with fans and especially with players. The first-generation artificial turf surfaces were carpet-like in their look and feel, and thus, a far harder surface than grass and soon became known<sup>[by who]</sup> as an unforgiving playing surface that was prone to cause more injuries, and in particular, more serious joint injuries, than would comparatively be suffered on a grass surface. This turf was also regarded as aesthetically unappealing to many fans<sup>[weasel words]</sup>.

In 1981, London football club Queens Park Rangers dug up its grass pitch and installed an artificial one. Others followed, and by the mid-1980s there were four artificial surfaces in operation in the English league. They soon became



a national joke: the ball pinged round like it was made of rubber, the players kept losing their footing, and anyone who fell over risked carpet burns. Unsurprisingly, fans complained that the football was awful to watch and, one by one, the clubs returned to natural grass.[21]

In November 2011, it was reported that a number of English football clubs were interested in using artificial pitches again on economic grounds.[22] As of January 2020, artificial pitches are not permitted in the Premier League or Football League but are permitted in the National League and lower divisions. Bromley are an example of an English football club who currently use a third-generation artificial pitch.[23] In 2018, Sutton United were close to achieving promotion to the Football League and the debate in England about artificial pitches resurfaced again. It was reported that, if Sutton won promotion, they would subsequently be demoted two leagues if they refused to replace their pitch with natural grass.[24] After Harrogate Town's promotion to the Football League in 2020, the club was obliged to install a natural grass pitch at Wetherby Road;[25] and after winning promotion in 2021 Sutton Utd were also obliged to tear up their artificial pitch and replace it with grass, at a cost of more than £500,000.[26] Artificial pitches are permitted in all rounds of the FA Cup competition.

## History elsewhere

[edit]

In the 1990s, many North American soccer clubs also removed their artificial surfaces and re-installed grass, while others moved to new stadiums with state-of-the-art grass surfaces that were designed to withstand cold temperatures where the climate demanded it. The use of artificial turf was later banned by FIFA, UEFA and by many domestic football associations, but FIFA and UEFA allowed it again from the mid-2000's (UEFA from the 2005–06 season onwards), provided that the turfs are FIFA Recommended. UEFA has now been heavily involved in programs to test artificial turf, with tests made in several grounds meeting with FIFA approval. A team of UEFA, FIFA and German company Polytan conducted tests in the Stadion Salzburg Wals-Siezenheim in Salzburg, Austria which had matches played on it in UEFA Euro 2008. It is the second FIFA 2 Star approved artificial turf in a European domestic top flight,

after Dutch club **Heracles Almelo** received the FIFA certificate in August 2005.[27] The tests were approved.[28]

FIFA originally launched its FIFA Quality Concept in February 2001.

A full international fixture for the **2008 European Championships** was played on October 17, 2007, between **England** and **Russia** on an artificial surface, which was installed to counteract adverse weather conditions, at the **Luzhniki Stadium** in Moscow.[29][30] It was one of the first full international games to be played on such a surface approved by FIFA and UEFA. The latter ordered the **2008 European Champions League** final hosted in the same stadium in May 2008 to place on grass, so a temporary natural grass field was installed just for the final.

In 2007, UEFA stressed that artificial turf should only be considered an option where climatic conditions necessitate.[31] One Desso "**hybrid grass**" product incorporates both natural grass and artificial elements.[32]

In June 2009, following a match played at **Estadio Ricardo Saprissa** in Costa Rica, **American national team** manager **Bob Bradley** called on FIFA to "have some courage" and ban artificial surfaces.[33]

FIFA designated a star system for artificial turf fields that have undergone a series of tests that examine quality and performance based on a two star system.[34] Recommended two-star fields may be used for FIFA Final Round Competitions as well as for **UEFA Europa League** and **Champions League** matches.[35] There are currently 130 FIFA Recommended 2-Star installations in the world.[36]

In 2009, FIFA launched the Preferred Producer Initiative to improve the quality of artificial football turf at each stage of the life cycle (manufacturing, installation and maintenance).[37] Currently, there are five manufacturers that were selected by FIFA: Act Global, Limonta, Desso, GreenFields, and Edel Grass. These firms have made quality guarantees directly to FIFA and have agreed to increased research and development.

In 2010, **Estadio Omnilife** with an artificial turf opened in **Guadalajara** to be the new home of **Chivas**, one of the most popular teams in Mexico. The owner of Chivas, **Jorge Vergara**, defended the reasoning behind using artificial turf because the stadium was

designed to be "environment friendly and as such, having grass would result [in] using too much water."<sup>[38]</sup> Some players criticized the field, saying its harder surface caused many injuries. When [Johan Cruyff](#) became the adviser of the team, he recommended the switch to natural grass, which the team did in 2012.<sup>[39]</sup>

The [2015 FIFA Women's World Cup](#) took place entirely on artificial surfaces, as the event was played in Canada, where almost all of the country's stadiums use artificial turf due to climate issues. This plan garnered criticism from players and fans, some believing the artificial surfaces make players more susceptible to injuries. Over fifty of the female athletes protested against the use of artificial turf on the basis of [gender discrimination](#).<sup>[40]</sup><sup>[41]</sup> [Australia](#) winger [Caitlin Foord](#) said that after playing 90 minutes there was no difference to her post-match recovery – a view shared by the rest of the squad. The squad spent much time preparing on the surface and had no problems with its use in Winnipeg. "We've been training on [artificial] turf pretty much all year so I think we're kind of used to it in that way ... I think grass or turf you can still pull up sore after a game so it's definitely about getting the recovery in and getting it right", Foord said.<sup>[42]</sup> A lawsuit was filed on October 1, 2014, in an Ontario tribunal court by a group of women's international soccer players against FIFA and the Canadian Soccer Association and specifically points out that in 1994 FIFA spent \$2 million to plant natural grass over artificial turf in [New Jersey](#) and [Detroit](#).<sup>[43]</sup> Various celebrities showed their support for the women soccer players in defense of their lawsuit, including actor [Tom Hanks](#), NBA player [Kobe Bryant](#) and [U.S. men's soccer team](#) keeper [Tim Howard](#). Even with the possibility of boycotts, FIFA's head of women's competitions, Tatjana Haenni, made it clear that "we play on artificial turf and there's no Plan B."<sup>[44]</sup><sup>[45]</sup>

The first stadium to use artificial turf in Brazil was [Atlético Paranaense's Arena da Baixada](#) in 2016. In 2020, the administration of [Allianz Parque](#), home of [Sociedade Esportiva Palmeiras](#), started the implementation of the second artificial pitch in the country.<sup>[46]</sup>

In 2024, the [Eredivisie](#) banned artificial turfs, meaning [hybrid grass](#) and [natural grass](#) became mandatory, starting from the 2025–26 season.<sup>[47]</sup>

In UEFA tournaments, teams who are used to playing on artificial turf are seen as having a large home advantage against teams who don't, as was the case for

[Bodø/Glimt](#)'s semi-final campaign in the [2024–25 UEFA Europa League](#).<sup>[48]</sup>

## Rugby union

[\[edit\]](#)

Rugby union also uses artificial surfaces at a professional level. Infill fields are used by English [Premiership Rugby](#) teams [Gloucester](#), [Newcastle Falcons](#), [Saracens F.C.](#) and the now defunct [Worcester Warriors](#), as well as [United Rugby Championship](#) teams [Cardiff](#), [Edinburgh](#) and [Glasgow Warriors](#). Some fields, including [Twickenham Stadium](#), have incorporated a hybrid field, with grass and synthetic fibers used on the surface. This allows for the field to be much more hard wearing, making it less susceptible to weather conditions and frequent use.

## Tennis

[\[edit\]](#)

Main article: [Tennis court](#)

Carpet has been used as a surface for indoor tennis courts for decades, though the first carpets used were more similar to home carpets than a synthetic grass. After the introduction of [AstroTurf](#), it came to be used for tennis courts, both indoor and outdoor, though only a small minority of courts use the surface.<sup>[49][50]</sup> Both infill and non-infill versions are used, and are typically considered medium-fast to fast surfaces under the International Tennis Federation's classification scheme.<sup>[49]</sup> A distinct form found in tennis is an "artificial clay" surface,<sup>[49]</sup> which seeks to simulate a [clay court](#) by using a very short pile carpet with an infill of the same loose aggregate used for clay courts that rises above the carpet fibers.<sup>[49]</sup>

[Tennis courts](#) such as [Wimbledon](#) are considering using an artificial hybrid grass to replace their natural lawn courts. Such systems incorporate synthetic fibers into natural grass to create a more durable surface on which to play.<sup>[51]</sup> Such hybrid surfaces are currently used for some association football stadiums, including [Wembley](#)



Stadium.

# Golf

[[edit](#)]



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Synthetic turf can also be used in the golf industry, such as on driving ranges, putting greens and even in some circumstances tee boxes. For low budget courses, particularly those catering to casual golfers, synthetic putting greens offer the advantage of being a relatively cheap alternative to installing and maintaining grass greens, but are much more similar to real grass in appearance and feel compared to sand greens which are the traditional alternative surface. Because of the vast areas of golf courses and the damage from clubs during shots, it is not feasible to surface fairways with artificial turf.

## Motor racing

[[edit](#)]

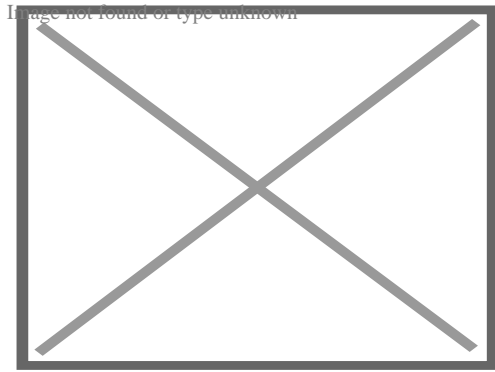
Artificial grass is used to line the perimeter of some sections of some motor circuits, and offers less grip than some other surfaces.<sup>[52]</sup> It can pose an obstacle to drivers if it gets caught on their car.<sup>[53]</sup>

### Other applications

[[edit](#)]

## Landscaping

[[edit](#)]



A home's yard with artificial grass.

Since the early 1990s, the use of synthetic grass in the more arid western states of the United States has moved beyond athletic fields to residential and commercial landscaping.<sup>[54]</sup> New water saving programs, as of 2019, which grant rebates for turf removal, do not accept artificial turf as replacement and require a minimum of plants.<sup>[55][56]</sup>

The use of artificial grass for convenience sometimes faces opposition: Legislation frequently seeks to preserve natural gardens and fully water permeable surfaces, therefore restricting the use of hardscape and plantless areas, including artificial turf. In several locations in different countries, homeowners have been fined, ordered to remove artificial turf and/or had to defend themselves in courts. Many of these restrictions can be found in local bylaws and ordinances. These not always applied in a consistent manner,<sup>[57][58][59]</sup> especially in municipalities that utilize a complaint-based model for enforcing local laws.

Sunlight reflections from nearby windows can cause artificial turf to melt. This can be avoided by adding perforated vinyl privacy window film adhesive to the outside of the window causing the reflection.

## Airports

[[edit](#)]

Artificial turf has been used at airports.[60] Here it provides several advantages over natural turf – it does not support wildlife, it has high visual contrast with runways in all seasons, it reduces **foreign object damage** (FOD) since the surface has no rocks or clumps, and it drains well.[61]

Some artificial turf systems allow for the integration of **fiber-optic** fibers into the turf. This would allow for runway lighting to be embedded in artificial landing surfaces for aircraft (or lighting or advertisements to be directly embedded in a playing surface).[62]

## Tanks for octopuses

[edit]

Artificial turf is commonly used for tanks containing octopusses, in particular the **Giant Pacific octopus** since it is a reliable way to prevent the octopusses from escaping their tank, as they prevent the suction cups on the tentacles from getting a tight seal.[63]

### Environmental and safety concerns

[edit]

## Environmental footprint

[edit]

The first major academic review of the environmental and health risks and benefits of artificial turf was published in 2014:[64] it was followed by extensive research on possible risks to human health, but holistic analyses of the environmental footprint of artificial turf compared with natural turf only began to emerge in the 2020s,[65][66] and frameworks to support informed policymaking were still lacking.[67][68]

Evaluating the relative environmental footprints of natural and artificial turf is complex, with outcomes depending on a wide range of factors, including (to give the example of a sports field):[64]

- what ecosystem services are lost by converting a site to a sports pitch
- how resource-intensive is the landscaping work and transport of materials to create a pitch
- whether input materials are recycled and whether these are recycled again at the end of the pitch's life
- how resource-intensive and damaging maintenance is (whether through water, fertiliser, weed-killer, reapplication of rubber crumb, snow-clearing, etc.)
- how intensively the facility is used, for how long, and whether surface type can reduce the overall number of pitches required

Artificial turf has been shown to contribute to global warming by absorbing significantly more radiation than living turf and, to a lesser extent, by displacing living plants that could sequester carbon dioxide through photosynthesis;[69] a study at New Mexico State University found that in that environment, water-cooling of artificial turf can demand as much water as natural turf.[70] However, a 2022 study that used real-world data to model a ten-year-life-cycle environmental footprint for a new natural-turf soccer field compared with an artificial-turf field found that the natural-turf field contributed twice as much to global warming as the artificial one (largely due to a more resource-intensive construction phase), while finding that the artificial turf would likely cause more pollution of other kinds. It promoted improvements to usual practice such as the substitution of **cork** for rubber in artificial pitches and more drought-resistant grasses and electric mowing in natural ones.[65] In 2021, a **Zurich University of Applied Sciences** study for the city of **Zurich**, using local data on extant pitches, found that, per hour of use, natural turf had the lowest environmental footprint, followed by artificial turf with no infill, and then artificial turf using an infill (e.g. granulated rubber). However, because it could tolerate more hours of use, unfilled artificial turf often had the lowest environmental footprint in practice, by reducing the total number of pitches required. The study recommended optimising the use of existing pitches before building new ones, and choosing the best surface for the likely intensity of use.[66] Another suggestion is the introduction of **green roofs** to **offset** the conversion of grassland to artificial turf.[71]



# Maintenance

[[edit](#)]

Contrary to popular belief, artificial turf is not maintenance free. It requires regular maintenance, such as raking and patching, to keep it functional and safe.[\[72\]](#)

# Pollution and associated health risks

[[edit](#)]

Further information: [Artificial turf–cancer hypothesis](#)

Some artificial turf uses infill such as silicon sand, but most uses granulated [rubber](#), referred to as "[crumb rubber](#)". Granulated rubber can be made from [recycled car tires](#) and may carry [heavy metals](#), [PFAS chemicals](#), and other chemicals of environmental concern. The [synthetic fibers](#) of artificial turf are also subject to degradation. Thus chemicals from artificial turfs [leach](#) into the environment, and artificial turf is a source of [microplastics pollution](#) and [rubber pollution](#) in [air](#), [fresh-water](#), [sea](#) and [soil](#) environments.[\[73\]\[74\]\[75\]\[76\]\[77\]\[78\]\[64\]](#)<sup>[\[excessive citations\]](#)</sup> In Norway, Sweden, and at least some other places, the rubber granulate from artificial turf infill constitutes the second largest source of microplastics in the environment after the [tire](#) and [road wear](#) particles that make up a large portion of the fine [road debris](#).[\[79\]\[80\]\[81\]](#) As early as 2007, Environment and Human Health, Inc., a lobby-group, proposed a moratorium on the use of ground-up rubber tires in fields and playgrounds based on health concerns; [\[82\]](#) in September 2022, the [European Commission](#) made a draft proposal to restrict the use of microplastic granules as infill in sports fields.[\[83\]](#)

What is less clear is how likely this pollution is in practice to harm humans or other organisms and whether these environmental costs outweigh the benefits of artificial turf, with many scientific papers and government agencies (such as the [United States Environmental Protection Agency](#)) calling for more research.[\[2\]](#) A 2018 study published in [Water, Air, & Soil Pollution](#) analyzed the chemicals found in samples of tire

crumbs, some used to install school athletic fields, and identified 92 chemicals only about half of which had ever been studied for their health effects and some of which are known to be carcinogenic or irritants. It stated "caution would argue against use of these materials where human exposure is likely, and this is especially true for playgrounds and athletic playing fields where young people may be affected".[84] Conversely, a 2017 study in *Sports Medicine* argued that "regular physical activity during adolescence and early adulthood helps prevent cancer later in life. Restricting the use or availability of all-weather year-round synthetic fields and thereby potentially reducing exercise could, in the long run, actually increase cancer incidence, as well as cardiovascular disease and other chronic illnesses." [85]

The possibility that carcinogenic substances in artificial turf could increase risks of human cancer (the **artificial turf–cancer hypothesis**) gained a particularly high profile in the first decades of the twenty-first century and attracted extensive study, with scientific reports around 2020 finding cancer-risks in modern artificial turf negligible.[86][87][88][89] But concerns have extended to other human-health risks, such as **endocrine disruption** that might affect early puberty, obesity, and children's attention spans.[90][91][92][93] Potential harm to fish[75] and earthworm[94] populations has also been shown.

A study for the **New Jersey Department of Environmental Protection** analyzed lead and other metals in dust kicked into the air by physical activity on five artificial turf fields. The results suggest that even low levels of activity on the field can cause particulate matter containing these chemicals to get into the air where it can be inhaled and be harmful. The authors state that since no level of lead exposure is considered safe for children, "only a comprehensive mandated testing of fields can provide assurance that no health hazard on these fields exists from lead or other metals used in their construction and maintenance." [95]

## Kinesiological health risks

[edit]

A number of health and safety concerns have been raised about artificial turf.<sup>[2]</sup> Friction between skin and older generations of artificial turf can cause abrasions and/or burns to a much greater extent than natural grass.<sup>[96]</sup> Artificial turf tends to retain heat from the sun and can be much hotter than natural grass with prolonged exposure to the sun.<sup>[97]</sup>

There is some evidence that periodic disinfection of artificial turf is required as pathogens are not broken down by natural processes in the same manner as natural grass. Despite this, a 2006 study suggests certain microbial life is less active in artificial turf.<sup>[96]</sup>

There is evidence showing higher rates of player injury on artificial turf. By November 1971, the injury toll on first-generation artificial turf had reached a threshold that resulted in [congressional](#) hearings by the [House](#) subcommittee on commerce and finance.<sup>[98][99][100]</sup> In a study performed by the National Football League Injury and Safety Panel, published in the October 2012 issue of the *[American Journal of Sports Medicine](#)*, Elliott B. Hershman et al. reviewed injury data from NFL games played between 2000 and 2009, finding that "the injury rate of knee [sprains](#) as a whole was 22% higher on FieldTurf than on natural grass. While MCL sprains did not occur at a rate significantly higher than on grass, rates of ACL sprains were 67% higher on FieldTurf."<sup>[101]</sup> [Metatarsophalangeal joint](#) sprain, known as "[turf toe](#)" when the big toe is involved, is named from the injury being associated with playing sports on rigid surfaces such as artificial turf and is a fairly common injury among professional American football players. Artificial turf is a harder surface than grass and does not have much "give" when forces are placed on it.<sup>[102]</sup>

## See also

[\[edit\]](#)

- [International Association for Sports Surface Sciences](#)
- [List of college football stadiums with non-traditional field colors](#)
- [Poly-Turf](#)
- [The Flying Grass Carpet](#)

## References

[edit]

1. ^ **a b** Dave Brady, "It's All So Artificial: The Uncommon Ground", *Petersen's 12th Pro Football Annual*, 1972. Los Angeles: Petersen Publishing Co., 1972; pp. 62–65.
2. ^ **a b c d** Weeks, Jennifer (2015). "*Turf Wars*". *Distillations Magazine*. **1** (3): 34–37. *Archived* from the original on March 21, 2018. Retrieved March 22, 2018.
3. ^ "*Definition of AstroTurf – Dictionary.com*". dictionary.com. Archived from *the original* on April 18, 2023. Retrieved May 7, 2023. "This sense of the word has come to be frequently used as a generic term for any artificial turf (in the same way that other brand names have been genericized, such as xerox). When used this way, it's often seen in lowercase (astroTurf)."
4. ^ "*Chicago Tribune – Historical Newspapers*". Archives.chicagotribune.com. *Archived* from the original on November 5, 2016. Retrieved August 1, 2018.
5. ^ Moore, Jack (July 2, 2015). "*Throwback Thursday: Cincinnati's Riverfront Stadium and the Era of Multipurpose Mistakes*". vice.com. Vice. Retrieved April 13, 2023. "It was the first stadium to include dirt sliding pits around each base, something that has become standard in every turf baseball field built since."
6. ^ "*Blue Jays adding dirt infield at Rogers Centre*". MLB.com. February 10, 2016. *Archived* from the original on November 7, 2017. Retrieved August 1, 2018.
7. ^ "*Blue Jays begin work on all-dirt infield at Rogers Centre*". *Toronto Star*. February 11, 2016.
8. ^ "*Arizona Diamondbacks installing synthetic grass at Chase Field*". azcentral.com. October 12, 2018. Retrieved October 13, 2018.
9. ^ "*Pats sign Testaverde; Gillette Stadium's grass field replaced with Field Turf*". November 14, 2006. *Archived* from the original on April 19, 2012. Retrieved August 1, 2018.
10. ^ "*Archived copy*". Archived from *the original* on January 11, 2015. Retrieved May 15, 2015.cite web: CS1 maint: archived copy as title (link)
11. ^ Staff, The Athletic NFL. "*Anonymous NFL player poll 2023: Best player? Biggest trash talker? Most annoying fans?*". *The New York Times*. Retrieved December 11, 2023.
12. ^ "*Odell Beckham Jr.'s injury in Super Bowl prompts NFL players to speak out against turf fields*". sportingnews.com. February 14, 2022. Retrieved February 16, 2022.
13. ^ "*BMO Field: New renovations accommodate TFC, Argos – CBC Sports*". Cbc.ca. *Archived* from the original on January 31, 2017. Retrieved August 1, 2018.
14. ^ "*History*". Saskatchewan Roughriders. June 12, 2002. Retrieved January 10, 2021. "In 1988, the Roughriders replaced the first artificial turf with a new type of system called OmniTurf. Unlike AstroTurf, OmniTurf was an inlay turf system, which relied on 300 tons of sand to hold it in place (rather than the traditional glued-down system). Over the years, a number of problems occurred with this system and it eventually

became necessary to replace it prior to its usable age being reached."

15. ^ ["Artificial \(pitch\) intelligence – all you need to know"](#). Cricket World. June 12, 2015. Retrieved November 27, 2020.
16. ^ Nolan, Grace (April 4, 2019). ["SIS Pitches uses hybrid grass technology to transform cricket"](#). British Plastics and Rubber. Retrieved November 27, 2020.
17. ^ ["Stitched pitch – SACA adds hybrid wickets"](#). Cricket SA. Retrieved November 27, 2020.
18. ^ ["Fremont: First official, fully lighted cricket field opens Aug. 21"](#). The Mercury News. August 11, 2016. Retrieved November 27, 2020.
19. ^ **a b** Stuart James (October 11, 2024). ["Bolivia are thriving at high altitude in their new home at El Alto – 4,150m above sea level"](#). The Athletic. Retrieved May 6, 2025.
20. ^ ["Artificial pitches to be banned in Premiership from 2026"](#). BBC. April 30, 2024. Retrieved May 6, 2025.
21. ^ Lawton, Graham (June 4, 2005). ["Field battle over artificial grass"](#). New Scientist (2502): 35. Archived from the original on February 17, 2006. Retrieved January 11, 2008.
22. ^ ["Clubs want artificial turf return"](#). BBC News. November 18, 2011.
23. ^ ["Artificial 3G Pitches: Coming to a ground near you?"](#). Football Ground Guide. April 26, 2016. Archived from the original on October 31, 2016. Retrieved October 30, 2016.
24. ^ ["Plastic liberals vs conservative stick-in-the-muds: The debate around artificial pitches which isn't going away"](#). The Independent. London. February 28, 2018. Retrieved January 25, 2020.
25. ^ ["National League promotion final: Harrogate Town beat Notts County 3-1 to secure place in League 2"](#). BBC Sport. August 2, 2020. Retrieved August 2, 2020.
26. ^ ["Sutton United: Replacing pitch will cost promoted club over £500,000"](#). BBC Sport. June 2, 2021. Retrieved July 7, 2021.
27. ^ [Salzburg turf approval](#). UEFA.com (January 12, 2006)
28. ^ Mark Chaplin (November 10, 2004) [Approval for artificial fields](#). UEFA.com
29. ^ ["England to play on synthetic turf"](#). BBC News. July 11, 2007. Archived from the original on October 8, 2007. Retrieved January 11, 2008.
30. ^ ["Field 'No Excuse' For England"](#). Sporting Life UK. Archived from the original on June 5, 2011. Retrieved January 11, 2008.
31. ^ Martyn Ziegler (October 10, 2007). ["England could slip up on plastic field, warns Ferguson"](#). The Independent. London. Archived from the original on January 12, 2008. Retrieved January 11, 2008.
32. ^ ["Desso GrassMaster hybrid grass > reinforced natural grass | Desso Sports Systems"](#). Dessosports.com. Archived from the original on December 10, 2015. Retrieved December 24, 2015.



33. ^ *"Plastic pitches will be a pain"*. The New Indian Express. May 16, 2012. Retrieved May 2, 2025.
34. ^ *"FIFA Quality Concept – Handbook of Test Methods for Football Turf"* (PDF). FIFA. Archived from *the original* (PDF) on April 3, 2018. Retrieved July 20, 2017.
35. ^ *"Football Turf"*. FIFA. Archived from *the original* on February 28, 2008.
36. ^ *"Football Fields"*. FIFA. Archived from *the original* on February 28, 2008.
37. ^ [1] Archived December 4, 2011, at the *Wayback Machine*
38. ^ *"Chivas quitará el pasto sintético que costó 1 mdd – construccion"*. Obrasweb.mx. Archived from *the original* on August 1, 2018. Retrieved August 1, 2018.
39. ^ *"El Estadio Omnilife, listo con pasto natural"*. Mediotiempo.com. July 19, 2012. Archived from *the original* on July 8, 2018. Retrieved August 1, 2018.
40. ^ *"USWNT stars not backing down on artificial playing surface stance"*. Fox Sports. Archived from *the original* on October 20, 2014. Retrieved October 9, 2014.
41. ^ *"elite female players sue"*. ESPN. September 26, 2014. Archived from *the original* on October 3, 2014. Retrieved October 9, 2014.
42. ^ Dominic Bossi (June 10, 2015). *"Matildas stay out of turf war at women's World Cup"*. The Sydney Morning Herald. Archived from *the original* on January 9, 2016. Retrieved December 24, 2015.
43. ^ *"Equalizer Soccer – Players officially file lawsuit against FIFA, CSA over artificial turf at 2015 Women's World Cup"*. Womens.soccerly.com. Archived from *the original* on October 5, 2014. Retrieved October 9, 2014.
44. ^ *"Players file lawsuit in Canada over artificial Women's World Cup turf"*. Global News . October 1, 2014. Archived from *the original* on October 8, 2014. Retrieved October 9, 2014.
45. ^ *"FIFA officials to inspect BC Place turf in light of controversy"*. Global News. October 7, 2014. Archived from *the original* on October 8, 2014. Retrieved October 9, 2014.
46. ^ *"Palmeiras begin installing synthetic pitch at Allianz Parque"*. Xinhua News Agency. Archived from *the original* on January 14, 2020. Retrieved January 25, 2020.
47. ^ Dennis van Bergen; Sjoerd Mossou (October 20, 2022). *"Kunstgras definitief verdrongen: eredivisieclubs vanaf de zomer van 2025 verplicht op écht gras"* (in Dutch). AD. Retrieved May 2, 2025.
48. ^ Rae Knwhoca (April 30, 2025). *"Ange Postecoglou reveals what he learned last time he played Bodo/Glimt"*. Spurs Web. Retrieved May 3, 2025.
49. ^ **a b c d** *"ITF surface descriptions"*. Ifftennis.com. Archived from *the original* on June 13, 2018. Retrieved August 1, 2018.
50. ^ *"Tennis"*. Dow.com. August 3, 2001. Archived from *the original* on December 15, 2015. Retrieved December 24, 2015.

51. ^ ["Wimbledon considering controversial plans to introduce artificial grass courts"](#). Tennis365. [Archived](#) from the original on July 31, 2018. Retrieved July 31, 2018.
52. ^ Benson, Andrew (June 11, 2019). ["Sebastian Vettel: F1's rules-for-everything culture led to Canada penalty, says GPDA boss"](#). BBC Sport. Retrieved April 11, 2021.
53. ^ ["Korean GP: Hamilton hampered by loose astroturf"](#). BBC Sport. October 12, 2012. Retrieved April 11, 2021.
54. ^ Hall, Janet (March 11, 2018). ["Pros and Cons: Artificial Grass Versus a Live Lawn"](#). [Archived](#) from the original on May 1, 2018. Retrieved April 30, 2018.
55. ^ McNary, Sharon (September 16, 2019). ["You Can Rip Out Your SoCal Lawn For Money Again – Now Without Landscaping Abominations"](#). LAist. [Archived from the original](#) on April 13, 2020. Retrieved April 29, 2020.
56. ^ ["Turf Replacement Program, Terms & Conditions"](#). SoCal Water\$mart. Retrieved April 29, 2020.
57. ^ Richards, Stefanie (September 12, 2019). ["Council bans fake grass from city verges"](#). INDaily Adelaide Independent News.
58. ^ Yuen, Kelda (July 29, 2019). ["It breaks my heart to do it': Toronto homeowner ordered to remove fake grass"](#). CBC News. Retrieved April 29, 2020.
59. ^ Gehrke, Robert (July 10, 2019). ["Gehrke: Salt Lake City should revisit its ban on artificial grass and give some leniency to property owners"](#). The Salt Lake City Tribune.
60. ^ ["Airside Applications for Artificial Turf"](#) (PDF). Federal Aviation Administration. 2006. [Archived](#) (PDF) from the original on April 14, 2012. Retrieved November 9, 2011.
61. ^ ["Going Green – Artificial Turf for Tortoise Troubles and More"](#). April 13, 2017.
62. ^ Monte Burke (November 27, 2006). ["Field of Screens"](#). Forbes. [Archived from the original](#) on December 15, 2007. Retrieved January 11, 2008.
63. ^ ["Exhibit Galleries Blog"](#). galleries.neaq.org. Retrieved July 8, 2023.
64. ^ **a b c** Cheng H, Hu Y, Reinhard M (2014). ["Environmental and health impacts of artificial turf: a review"](#) (PDF). Environ Sci Technol. **48** (4): 2114–29. doi: 10.1021/es4044193. PMID 24467230. [Archived from the original](#) (PDF) on March 29, 2024. Retrieved July 1, 2023. "The major concerns stem from the infill material that is typically derived from scrap tires. Tire rubber crumb contains a range of organic contaminants and heavy metals that can volatilize into the air and/or leach into the percolating rainwater, thereby posing a potential risk to the environment and human health."
65. ^ **a b** Russo, Carlo; Cappelletti, Giulio Mario; Nicoletti, Giuseppe Martino (July 1, 2022). ["The product environmental footprint approach to compare the environmental performances of artificial and natural turf"](#). Environmental Impact Assessment Review . **95**: 106800. Bibcode:2022EIARv..9506800R. doi:10.1016/j.eiar.2022.106800. ISSN 0195-9255. S2CID 248644133.

66. ^ **a b** René Itten, Lukas Glauser und Matthias Stucki, "Life Cycle Assessment of Artificial and Natural Turf Sports Fields – Executive Summary" (Wädenswil: ZHAW Zürcher Hochschule für Angewandte Wissenschaften, 2021); cf. "Ökobilanzierung von Rasensportfeldern: Natur-, Kunststoff- und Hybridrasen der Stadt Zürich im Vergleich" (Wädenswil: ZHAW Zürcher Hochschule für Angewandte Wissenschaften, 2020), doi:10.21256/zhaw-20774.
67. ^ Barnes, Michael R; Watkins, Eric (September 30, 2022). "Greenness' in the Eye of the Beholder: Comparing Perceptions of Sustainability and Well-being Between Artificial and Natural Turfgrass". *Cities and the Environment*. **15** (1). doi: 10.15365/cate.202.150102. ISSN 1932-7048. S2CID 252668065.
68. ^ Straw, C. M.; McCullough, B. P.; Segars, C.; Daher, B.; Patterson, M. S. (September 1, 2022). "Reimagining Sustainable Community Sports Fields of the Future: a Framework for Convergent Science-Stakeholder Decision-Making". *Circular Economy and Sustainability*. **2** (3): 1267–1277. Bibcode:2022CirES...2.1267S. doi: 10.1007/s43615-021-00115-z. ISSN 2730-5988. S2CID 242002500.
69. ^ Golden, Leslie M. (2021) "The Contribution of Artificial Turf to Global Warming," *Sustainability and Climate Change*, December, **14** (6) 436–449; <http://doi.org/10.1089/scc.2021.0038>
70. ^ Kanaan, Ahmed; Sevostianova, Elena; Leinauer, Bernd; Sevostianov, Igor (October 2020). "Water Requirements for Cooling Artificial Turf". *Journal of Irrigation and Drainage Engineering*. **146** (10). doi:10.1061/(ASCE)IR.1943-4774.0001506. ISSN 0733-9437. S2CID 224884193.
71. ^ Julian E. Lozano and Shon Ferguson, "Ecosystem services for compensation of artificial turf systems" (May 2021).
72. ^ Jastifer JR, McNitt AS, Mack CD, Kent RW, McCullough KA, Coughlin MJ, Anderson RB (2019). "Synthetic Turf: History, Design, Maintenance, and Athlete Safety". *Sports Health (Review)*. **11** (1): 84–90. doi:10.1177/1941738118793378. PMC 6299344. PMID 30096021.
73. ^ Lerner, Sharon (October 8, 2019). "Toxic PFAS Chemicals Found in Artificial Turf". *The Intercept*. Retrieved January 4, 2020.
74. ^ Celeiro, Maria; Armada, Daniel; Ratola, Nuno; Dagnac, Thierry; de Boer, Jacob; Llompart, Maria (May 1, 2021). "Evaluation of chemicals of environmental concern in crumb rubber and water leachates from several types of synthetic turf football pitches". *Chemosphere*. **270**: 128610. Bibcode:2021Chmsp.27028610C. doi: 10.1016/j.chemosphere.2020.128610. hdl:1871.1/b88f1b78-db15-4e7c-9129-91bc833e35e3. ISSN 0045-6535. PMID 33121811. S2CID 226206761.
75. ^ **a b** Chiba, Rihito; Fujinuma, Ryosuke; Yoshitomi, Tomoyasu; Shimizu, Yasuo; Kobayashi, Makito (January 24, 2023). "Ingestion of rubber tips of artificial turf fields by goldfish". *Scientific Reports*. **13** (1): 1344. Bibcode:2023NatSR..13.1344C. doi: 10.1038/s41598-023-28672-3. ISSN 2045-2322. PMC 9873930. PMID 36693897.

76. ^ ["Microplastic Pollution from Artificial Grass – A Field Guide"](#). KIMO. February 27, 2017. [Archived](#) from the original on April 19, 2017. Retrieved April 19, 2017.
77. ^ ["Artificial Turf. Why it is not the answer"](#). SELVA. Archived from [the original](#) on August 3, 2016. Retrieved April 19, 2017.
78. ^ ["Microplastics in agricultural soils: A reason to worry?"](#). Norwegian Institute for Water Research (NIVA). February 3, 2017. [Archived](#) from the original on April 19, 2017. Retrieved April 19, 2017. "Microplastics are increasingly seen as an environmental problem of global proportions. While the focus to date has been on microplastics in the ocean and their effects on marine life, microplastics in soils have largely been overlooked. Researchers are concerned about the lack of knowledge regarding potential consequences of microplastics in agricultural landscapes from application of sewage sludge."
79. ^ Kole, Pieter Jan; Löhr, Ansje J.; Van Belleghem, Frank; Ragas, Ad; Kole, Pieter Jan; Löhr, Ansje J.; Van Belleghem, Frank G. A. J.; Ragas, Ad M. J. (October 20, 2017). ["Wear and Tear of Tyres: A Stealthy Source of Microplastics in the Environment"](#). *International Journal of Environmental Research and Public Health*. **14** (10): 1265. doi:10.3390/ijerph14101265. PMC 5664766. PMID 29053641.
80. ^ Bø, S M; Bohne, R A; Aas, B; Hansen, L M (November 1, 2020). ["Material flow analysis for Norway's artificial turfs"](#). *IOP Conference Series: Earth and Environmental Science*. **588** (4): 042068. Bibcode:2020E&ES..588d2068B. doi:10.1088/1755-1315/588/4/042068. hdl:11250/2724609. ISSN 1755-1307. S2CID 229516855.
81. ^ ["Tire wear foremost source of microplastics"](#). IVL Swedish Environmental Research Institute. March 29, 2016. [Archived](#) from the original on April 19, 2017. Retrieved April 19, 2017. "researchers have ranked the sources of microplastic particles by size. The amount of microplastic particles emitted by traffic is estimated to 13 500 tonnes per year. Artificial turf ranks as the second largest source of emissions and is responsible for approximately 2300-3900 tonnes per year."
82. ^ Brown, Sc.D., David R. (2007). [Artificial Turf](#) (PDF) (Report). The Board of Environment & Human Health, Inc. Archived from [the original](#) (PDF) on April 10, 2008. Retrieved December 21, 2007.
83. ^ ["COMMISSION REGULATION \(EU\) .../... of XXX amending Annex XVII to Regulation \(EC\) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals \(REACH\) as regards synthetic polymer microparticles"](#). The European Commission. September 23, 2022. Retrieved February 16, 2023.
84. ^ Benoit G & Demars S (2018). "Evaluation of organic and inorganic compounds extractable by multiple methods from commercially available crumb rubber mulch". *Water, Air, & Soil Pollution*. **229** (3): 64. Bibcode:2018WASP..229...64B. doi:10.1007/s11270-018-3711-7. S2CID 103861679.
85. ^ Bleyer, Archie (December 1, 2017). ["Synthetic Turf Fields, Crumb Rubber, and Alleged Cancer Risk"](#). *Sports Medicine*. **47** (12): 2437–2441. doi:10.1007/s40279-



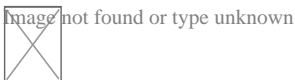
017-0735-x. ISSN 1179-2035. PMID 28493060. S2CID 46183771.

86. ^ "Granules and mulches on sports pitches and playgrounds – ECHA". [echa.europa.eu](https://echa.europa.eu). Retrieved July 1, 2023.
87. ^ Perkins, AN; Inayat-Hussain, SH; Deziel, NC; et al. (2019). "Evaluation of potential carcinogenicity of organic chemicals in synthetic turf crumb rubber". *Environmental Research*. **169**: 163–172. Bibcode:2019ER....169..163P. doi:10.1016/j.envres.2018.10.018. PMC 6396308. PMID 30458352.
88. ^ Pronk, Marja E. J.; Woutersen, Marjolijn; Herremans, Joke M. M. (May 2020). "Synthetic turf pitches with rubber granulate infill: are there health risks for people playing sports on such pitches?". *Journal of Exposure Science & Environmental Epidemiology*. **30** (3): 567–584. Bibcode:2020JESEE..30..567P. doi:10.1038/s41370-018-0106-1. ISSN 1559-064X. PMC 7181390. PMID 30568187.
89. ^ Schneider, Klaus; Bierwisch, Anne; Kaiser, Eva (May 20, 2020). "ERASSTRI – European risk assessment study on synthetic turf rubber infill – Part 3: Exposure and risk characterisation". *Science of the Total Environment*. **718**: 137721. Bibcode:2020ScTEn.71837721S. doi:10.1016/j.scitotenv.2020.137721. ISSN 0048-9697. PMID 32173010. S2CID 212729483.
90. ^ Armada, Daniel; Llompart, Maria; Celeiro, Maria; Garcia-Castro, Pablo; Ratola, Nuno; Dagnac, Thierry; de Boer, Jacob (March 15, 2022). "Global evaluation of the chemical hazard of recycled tire crumb rubber employed on worldwide synthetic turf football pitches". *Science of the Total Environment*. **812**: 152542. Bibcode:2022ScTEn.81252542A. doi:10.1016/j.scitotenv.2021.152542. hdl:10347/27898. ISSN 0048-9697. PMID 34952075. S2CID 245432545.
91. ^ Colon, I (2000). "Identification of phthalate esters in the serum of young Puerto Rican girls with premature breast development". *Environmental Health Perspectives*. **108** (9): 895–900. doi:10.1289/ehp.108-2556932. PMC 2556932. PMID 11017896.
92. ^ Newbold, RR (2009). "Environmental estrogens and obesity". *Molecular and Cellular Endocrinology*. **304** (1–2): 84–89. doi:10.1016/j.mce.2009.02.024. PMC 2682588. PMID 19433252.
93. ^ Grun, F. (2009). "Endocrine disruptors as obesogens". *Molecular and Cellular Endocrinology*. **304** (1–2): 19–29. doi:10.1016/j.mce.2009.02.018. PMC 2713042. PMID 19433244.
94. ^ Pochron, Sharon T.; Fiorenza, Andrew; Sperl, Cassandra; Ledda, Brianne; Lawrence Patterson, Charles; Tucker, Clara C.; Tucker, Wade; Ho, Yuwan Lisa; Panico, Nicholas (April 2017). "The response of earthworms ( *Eisenia fetida* ) and soil microbes to the crumb rubber material used in artificial turf fields". *Chemosphere*. **173** : 557–562. Bibcode:2017Chmsp.173..557P. doi:10.1016/j.chemosphere.2017.01.091. PMID 28142114.
95. ^ Shalat SL. An evaluation of potential exposures to lead and other metals as the result of aerosolized particulate matter from artificial turf playing fields. 2011. New Jersey Department of Environmental Protection.



<http://www.nj.gov/dep/dsr/publications/artificial-turf-report.pdf>

96. ^ **a b** *"New Penn State Study Debunks Staph Bacteria Scare in Synthetic Turf"* (Press release). Penn State College of Agricultural Sciences. August 30, 2006. *Archived from the original on August 30, 2006*. Retrieved January 11, 2008.
97. ^ Williams, C. Frank; Pulley, Gilbert E. (2002). *Synthetic Surface Heat Studies* (PDF) (Report). Brigham Young University. *Archived* (PDF) from the original on April 10, 2008. Retrieved February 19, 2008.
98. ^ *"Senate (House) studies 'Mod Sod'"*. Spokane Daily Chronicle. (Washington). Associated Press. November 2, 1971. p. 16.
99. ^ *"Fake turf makers deny fault"*. Eugene Register-Guard. (Oregon). Associated Press. November 3, 1971. p. 5D.
100. ^ Underwood, John (November 15, 1971). *"New Slant on the Mod Sod"*. Sports Illustrated. p. 32.
101. ^ *"Ask Dr. Geier – Are ACL tears more common on grass or FieldTurf? | Dr. David Geier – Sports Medicine Simplified"*. Dr. David Geier. January 18, 2013. *Archived from the original on January 9, 2016*. Retrieved December 24, 2015.
102. ^ *"Turf Toe-OrthoInfo – AAOS"*. Orthoinfo.aaos.org. August 1, 2012. *Archived from the original on December 9, 2015*. Retrieved December 24, 2015.



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## About Las Vegas

This article is about the city proper in Nevada. For the metropolitan area, see **Las Vegas Valley**. For other uses, see **Las Vegas (disambiguation)**.

"Vegas" redirects here. For other uses, see [Vegas \(disambiguation\)](#).

Las Vegas is located in the United States

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Las Vegas

# Las Vegas

City

## Las Vegas Skyline

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Downtown Las Vegas  
World Market Center

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World Market  
Center  
The Strat

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The Strat  
Clark County Government Center

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Clark County  
Government  
Center  
Lou Ruvo Center for Brain Health

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Lou Ruvo  
Center for  
Brain Health  
Las Vegas Strip

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Las Vegas Strip in Paradise and  
Winchester, outside city limits

## Flag of Las Vegas

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## Flag

## Official seal of Las Vegas

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## Seal

Etymology: from **Spanish** *las vegas* 'the meadows'

Nicknames:

"Vegas", "Sin City", "City of Lights", "The Gambling Capital of the World",<sup>[1]</sup> "**The Entertainment Capital of the World**", "Capital of Second Chances",<sup>[2]</sup> "The Marriage Capital of the World", "The Silver City", "America's Playground", "Hawaii's Ninth Island"<sup>[3]</sup><sup>[4]</sup>

Map

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Map

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Map

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Map

Las Vegas is located in Nevada



Coordinates: 36°10'2"N 115°8'55"W / 36.16722°N 115.14861°W

Country



State



County

Clark

Founded

May 15, 1905

Incorporated

March 16, 1911

Government

• Type

Council–manager

• Mayor

Shelley Berkley (D)

• Mayor Pro Tem

Brian Knudsen (D)



	<b>Members</b> <ul style="list-style-type: none"> <li>○ Brian Knudsen (D)</li> <li>○ Victoria Seaman (R)</li> <li>○ Olivia Diaz (D)</li> <li>○ Francis Allen-Palenske (R)</li> <li>○ Cedric Crear (D)</li> <li>○ Nancy Brune (D)</li> </ul>
• City council	
• City manager	Jorge Cervantes
	<b>Area</b> <b>[5]</b>
• City	141.91 sq mi (367.53 km <sup>2</sup> )
• Land	141.85 sq mi (367.40 km <sup>2</sup> )
• Water	0.05 sq mi (0.14 km <sup>2</sup> )
• Urban	540 sq mi (1,400 km <sup>2</sup> )
• Metro	1,580 sq mi (4,100 km <sup>2</sup> )
Elevation	2,001 ft (610 m)
	<b>Population</b> <b>(2020)</b>
• City	641,903 75th in North America
• Rank	24th in the United States[6] 1st in Nevada
• Density	4,525.16/sq mi (1,747.17/km <sup>2</sup> )
• Urban	2,196,623 (US: 21st)
• Urban density	5,046.3/sq mi (1,948.4/km <sup>2</sup> )
• Metro	2,265,461 (US: 29th)
	<b>[7]</b>
Demonym	Las Vegan

	<b>GDP</b>
	<b>[8]</b>
• <b>Metro</b>	\$160.728 billion (2022)
<b>Time zone</b>	UTC−08:00 (PST)
• <b>Summer (DST)</b>	UTC−07:00 (PDT)
<b>ZIP Codes</b>	89044, 89054, 891xx
<b>Area code(s)</b>	702 and 725
<b>FIPS code</b>	32−40000
<b>GNIS feature ID</b>	847388
<b>Website</b>	lasvegasnevada.gov

**Las Vegas**,<sup>[a]</sup> colloquially referred to as **Vegas**, is the most populous city in the U.S. state of Nevada and the county seat of Clark County. The Las Vegas Valley metropolitan area is the largest within the greater Mojave Desert, and second-largest in the Southwestern United States. According to the United States Census Bureau, the city had 641,903 residents in 2020,<sup>[9]</sup> with a metropolitan population of 2,227,053,<sup>[10]</sup> making it the 24th-most populous city in the United States. Las Vegas is an internationally renowned major resort city, known primarily for its gambling, shopping, fine dining, entertainment, and nightlife. It has most venues centered on downtown Las Vegas and more to the Las Vegas Strip, located outside city limits in the unincorporated towns of Paradise and Winchester. The Las Vegas Valley serves as the leading financial, commercial, and cultural center in Nevada.

Las Vegas was settled in 1905 and officially incorporated in 1911.<sup>[11]</sup> At the close of the 20th century, it was the most populated North American city founded within that century (a similar distinction was earned by Chicago in the 19th century). Population growth has accelerated since the 1960s and into the 21st century, and between 1990 and 2000 the population increased by 85.2%.

The city bills itself as the Entertainment Capital of the World, and is famous for its luxurious and large casino-hotels. As of 2023, Las Vegas attracts over 40.8 million visitors annually,<sup>[12]</sup> making it one of the most visited cities in the United States and consistently ranking among the world's top tourist destinations.<sup>[13][14]</sup> It is the third most popular U.S. destination for business conventions<sup>[15]</sup> and a global leader in the

[hospitality industry](#).<sup>[16]</sup> The city's tolerance for numerous forms of [adult entertainment](#) has earned it the nickname "[Sin City](#)",<sup>[17]</sup> and has made it a popular [setting for films](#), literature, [television programs](#), commercials and music videos.

## Toponymy

[\[edit\]](#)

In 1829, Mexican trader and explorer [Antonio Armijo](#) led a group consisting of 60 men and 100 mules along the [Old Spanish Trail](#) from modern day New Mexico to California. Along the way, the group stopped in what would become Las Vegas and noted its natural water sources, now referred to as the [Las Vegas Springs](#), which supported extensive vegetation such as grasses and [mesquite trees](#). The springs were a significant natural feature in the valley, with streams that supported a meadow ecosystem. This region served as the winter residence for the [Southern Paiute](#) people, who utilized the area's resources before moving to higher elevations during the summer months. The Spanish "las vegas" or "the meadows" (more precisely, lower land near a river) in English, was applied to describe the fertile lowlands near the springs. Over time, the name began to refer to the populated settlement.<sup>[18][19][20]</sup>

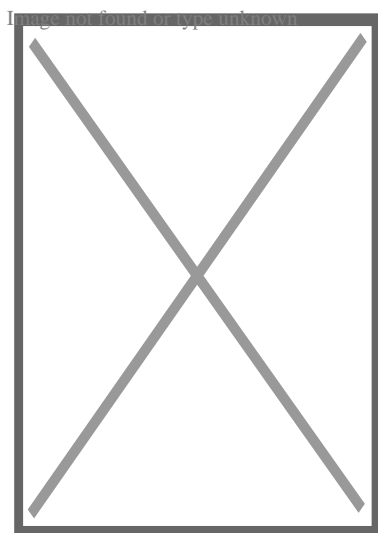
## History

[\[edit\]](#)

Main article: [History of Las Vegas](#)

For a chronological guide, see [Timeline of Las Vegas](#).

See also: [Las Vegas in the 1940s](#) and [Las Vegas in the 1950s](#)



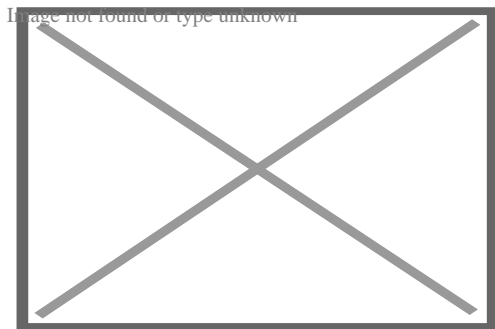
Southern **Paiutes** at **Moapa** wearing traditional Paiute basket hats with Paiute cradleboard and rabbit robe

Nomadic **Paleo-Indians** traveled to the Las Vegas area 10,000 years ago, leaving behind **petroglyphs**. **Ancient Puebloan** and **Paiute** tribes followed at least 2,000 years ago.[21]

A young **Mexican** scout named **Rafael Rivera** is credited as the first non-**Native American** to encounter the valley, in 1829.[22] Trader **Antonio Armijo** led a 60-man party along the **Spanish Trail** to **Los Angeles**, California, in 1829.[23][24] In 1844, **John C. Frémont** arrived, and his writings helped lure pioneers to the area. Downtown Las Vegas's Fremont Street is named after him.

Eleven years later, members of **the Church of Jesus Christ of Latter-day Saints** chose Las Vegas as the site to build a fort halfway between **Salt Lake City** and Los Angeles, where they would travel to gather supplies. The fort was abandoned several years afterward. The remainder of this **Old Mormon Fort** can still be seen at the intersection of Las Vegas Boulevard and Washington Avenue.

Las Vegas was founded as a city in 1905, when 110 acres (45 ha) of land adjacent to the **Union Pacific Railroad** tracks were auctioned in what would become the downtown area. In 1911, Las Vegas was incorporated as a city.[25]

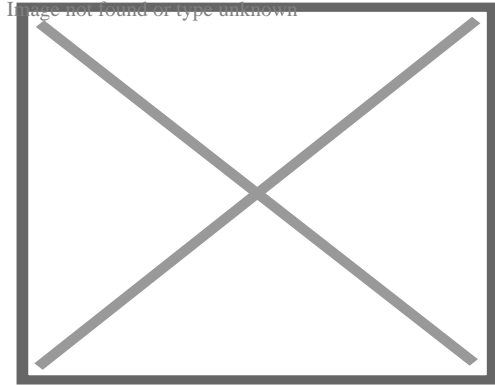


**Golden Nugget** and **Pioneer Club** along **Fremont Street** in 1952

The year 1931 was pivotal for Las Vegas. At that time, Nevada legalized casino gambling[26] and reduced residency requirements for divorce to six weeks.[27] This year also witnessed the beginning of construction of the tunnels of nearby **Hoover Dam**. The influx of construction workers and their families helped Las Vegas avoid economic calamity during the **Great Depression**. The construction work was completed in 1935.

In late 1941, **Las Vegas Army Airfield** was established. Renamed **Nellis Air Force Base** in 1950, it is now home to the **United States Air Force Thunderbirds** aerobatic team.[28]

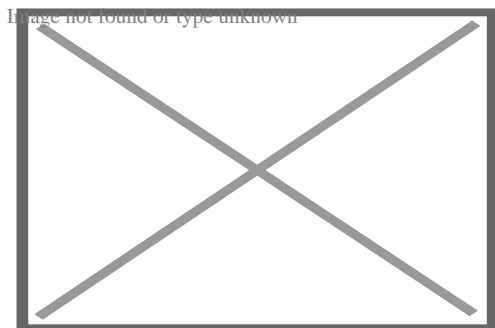
Following World War II, lavishly decorated hotels, gambling casinos, and big-name entertainment became synonymous with Las Vegas.



This view of downtown Las Vegas shows a **mushroom cloud** in the background. Scenes such as this were typical during the 1950s. From 1951 to 1962, the government conducted 100 atmospheric tests at the nearby **Nevada Test Site**.[29]

In 1951, **nuclear weapons testing** began at the **Nevada Test Site**, 65 miles (105 km) northwest of Las Vegas. During this time, the city was nicknamed the "**Atomic City**." Residents and visitors were able to witness the mushroom clouds (and were exposed to the fallout) until 1963 when the **Partial Nuclear Test Ban Treaty** required that nuclear tests be moved underground.[29]

In 1955, the **Moulin Rouge Hotel** opened and became the first racially integrated casino-hotel in Las Vegas.



**Fremont Street** in the late 1960s

During the 1960s, corporations and business tycoons such as **Howard Hughes** were building and buying hotel-casino properties. Gambling was referred to as "gaming,"

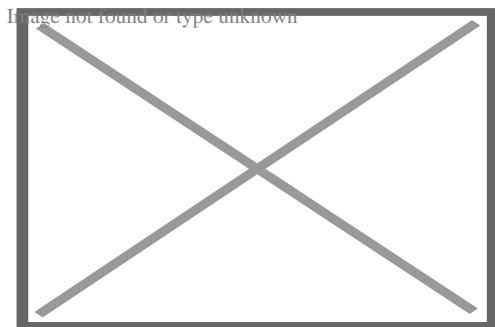
which transitioned it into a legitimate business. *Learning from Las Vegas*, published during this era, asked architects to take inspiration from the city's highly decorated buildings, helping to start the **postmodern architecture** movement.

In 1995, the **Fremont Street Experience** opened in Las Vegas's downtown area. This canopied five-block area features 12.5 million LED lights and 550,000 watts of sound from dusk until midnight during shows held at the top of each hour.

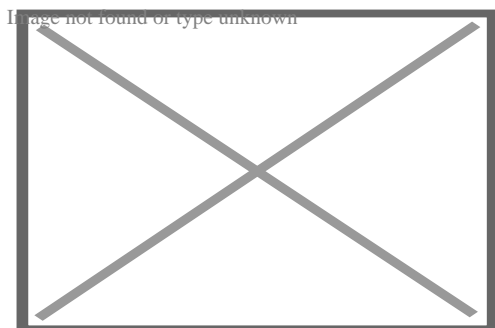
Due to the realization of many revitalization efforts, 2012 was dubbed "The Year of Downtown." Projects worth hundreds of millions of dollars made their debut at this time, including the **Smith Center for the Performing Arts**, the **Discovery Children's Museum**, the **Mob Museum**, the **Neon Museum**, a **new City Hall** complex, and renovations for a new **Zappos.com** corporate headquarters in the **old City Hall** building.[30][31]

## Geography

[[edit](#)]



Astronaut photograph of Las Vegas at night



**Downtown Las Vegas** with **Red Rock Canyon** in the background

Las Vegas is situated in a **basin** on the floor of the **Mojave Desert**,[32] and is surrounded by mountain ranges. Much of the landscape is rocky and arid, with desert



vegetation and wildlife. It can be subjected to torrential flash floods, although much has been done to mitigate the effects of flash floods through improved drainage systems.[33]

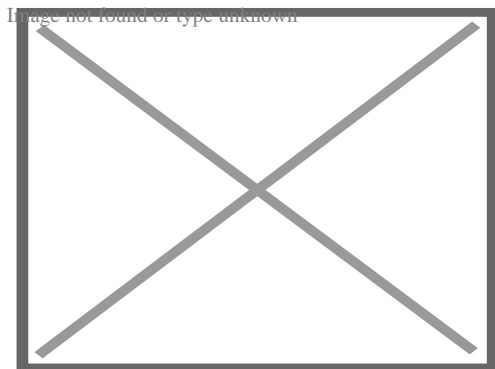
The city's elevation is approximately 2,030 ft (620 m) above sea level, though the surrounding peaks reach elevations of over 10,000 feet (3,000 m) and act as barriers to the strong flow of moisture from the surrounding area. According to the [United States Census Bureau](#), the city has an area of 135.86 sq mi (351.9 km<sup>2</sup>), of which 135.81 sq mi (351.7 km<sup>2</sup>) is land and 0.05 sq mi (0.13 km<sup>2</sup>) (0.03%) is water.

After Alaska and California, Nevada is the third most seismically active state in the U.S. It has been estimated by the United States Geological Survey (USGS) that over the next 50 years, there is a 10–20% chance of an M6.0 or greater earthquake occurring within 50 km (31 mi) of Las Vegas.[34]

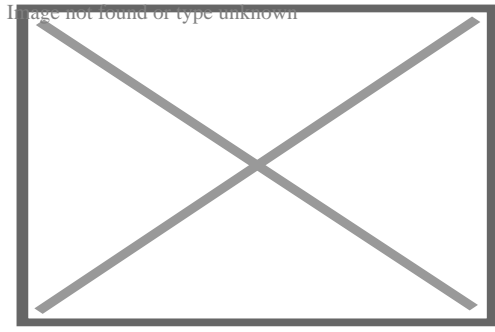
Within the city are many lawns, trees, and other greenery. Due to water resource issues, there has been a movement to encourage [xeriscapes](#). Another part of conservation efforts is scheduled watering days for residential landscaping. A [U.S. Environmental Protection Agency](#) grant in 2008 funded a program that analyzed and forecast growth and environmental effects through 2019.[35]

## Climate

[[edit](#)]



Desert scene at the [Red Rock Canyon National Conservation Area](#) in the Las Vegas area



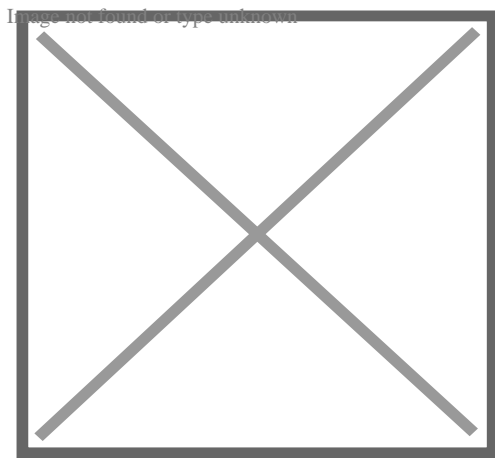
Spring flowers at the [Red Rock Canyon National Conservation Area](#) in the Las Vegas area

Las Vegas has a [subtropical hot desert climate](#) (Köppen climate classification: *BWh*, Trewartha climate classification *BWhk*), typical of the [Mojave Desert](#) in which it lies. This climate is typified by long, extremely hot summers; warm transitional seasons; and short winters with mild days and cool nights. There is abundant sunshine throughout the year, with an average of 310 sunny days and bright sunshine during 86% of all daylight hours.[\[36\]](#)[\[37\]](#) Rainfall is scarce, with an average of 4.2 in (110 mm) dispersed between roughly 26 total rainy days per year.[\[38\]](#) Las Vegas is among the sunniest, driest, and least humid locations in North America, with exceptionally low dew points and humidity that sometimes remains below 10%.[\[39\]](#)

The summer months of June through September are extremely hot, though moderated by the low humidity levels. July is the hottest month, with an average daytime high of 104.5 °F (40.3 °C). On average, 137 days per year reach or exceed 90 °F (32 °C), of which 78 days reach 100 °F (38 °C) and 10 days reach 110 °F (43 °C). During the peak intensity of summer, overnight lows frequently remain above 80 °F (27 °C), and occasionally above 85 °F (29 °C).[\[36\]](#)

While most summer days are consistently hot, dry, and cloudless, the [North American Monsoon](#) sporadically interrupts this pattern and brings more cloud cover, thunderstorms, lightning, increased humidity, and brief spells of heavy rain. Potential monsoons affect Las Vegas between July and August. Summer in Las Vegas is marked by significant [diurnal temperature variation](#). While less extreme than other parts of the state, nighttime lows in Las Vegas are often 30 °F (16.7 °C) or more lower than daytime highs.[\[40\]](#) The average hottest night of the year is 90 °F (32 °C). The all-time record is at 95 °F (35 °C).[\[36\]](#)

Las Vegas winters are relatively short, with typically mild daytime temperatures and chilly nights. Sunshine is abundant in all seasons. December is both the year's coolest and cloudiest month, with an average daytime high of 56.9 °F (13.8 °C) and sunshine occurring during 78% of its daylight hours. Winter evenings are defined by clear skies and swift drops in temperature after sunset, with overnight minima averaging around 40 °F (4.4 °C) in December and January. Owing to its elevation that ranges from 2,000 to 3,000 feet (610 to 910 m), Las Vegas experiences markedly cooler winters than other areas of the [Mojave Desert](#) and the adjacent [Sonoran Desert](#) that are closer to sea level. The city records freezing temperatures an average of 10 nights per winter. It is exceptionally rare for temperatures to reach or fall below 25 °F (−4 °C).<sup>[36]</sup>



Climate chart for Las Vegas

Most of the annual precipitation falls during the winter. February, the wettest month, averages only four days of measurable rain. The mountains immediately surrounding the Las Vegas Valley accumulate snow every winter, but significant accumulation within the city is rare, although moderate accumulations occur every few years. The most recent accumulations occurred on February 18, 2019, when parts of the city received about 1 to 2 inches (2.5 to 5.1 cm) of snow<sup>[41]</sup> and on February 20 when the city received almost 0.5 inches (1.3 cm).<sup>[42]</sup> Other recent significant snow accumulations occurred on December 25, 2015, and December 17, 2008.<sup>[43]</sup>

Unofficially, Las Vegas's largest snowfall on record was the 12 inches (30 cm) that fell in 1909.<sup>[44]</sup> In recent times, ice days have not occurred, although 29 °F (−2 °C) was measured in 1963.<sup>[36]</sup> On average the coldest day is 44 °F (7 °C).<sup>[36]</sup>

The highest temperature officially observed for Las Vegas is 120 °F (48.9 °C), as measured at [Harry Reid International Airport](#) on July 7, 2024.<sup>[36][45]</sup> The lowest

temperature was 8 °F (−13 °C), recorded on two days: January 25, 1937, and January 13, 1963.[36] The official record hot daily minimum is 95 °F (35 °C) on July 19, 2005, and July 1, 2013. The official record cold daily maximum is 28 °F (−2 °C) on January 8 and 21, 1937.[36] July 2024 was the hottest month ever recorded in Las Vegas, with its highest recorded mean daily average temperature over the month of 99.9 °F (38 °C), its highest recorded mean daily maximum temperature of 111.5 °F (44 °C), and its highest recorded mean nightly minimum temperature of 88.3 °F (31 °C).[46]

Due to concerns about **climate change** in the wake of a 2002 drought, daily water consumption has been reduced from 314 US gallons (1,190 L) per resident in 2003 to around 205 US gallons (780 L) in 2015.[47]

Climate data for **Harry Reid International Airport (Paradise, Nevada)**, 1991–2020 normals,[36] extremes 1937–present

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Record high °F (°C)	77 (25)	87 (31)	92 (33)	99 (37)	109 (43)	117 (47)	120 (49)	116 (47)	114 (46)	104 (40)	87 (31)	78 (26)	120 (49)
Mean maximum °F (°C)	68.7 (20.4)	74.2 (23.4)	84.3 (29.1)	93.6 (34.2)	101.8 (38.8)	110.1 (43.4)	112.9 (44.9)	110.3 (43.5)	105.0 (40.6)	94.6 (34.8)	80.5 (26.9)	67.9 (19.9)	113.6 (45.3)
Mean daily maximum °F (°C)	58.5 (14.7)	62.9 (17.2)	71.1 (21.7)	78.5 (25.8)	88.5 (31.4)	99.4 (37.4)	104.5 (40.3)	102.8 (39.3)	94.9 (34.9)	81.2 (27.3)	67.1 (19.5)	56.9 (13.8)	80.5 (26.9)
Daily mean °F (°C)	49.5 (9.7)	53.5 (11.9)	60.8 (16.0)	67.7 (19.8)	77.3 (25.2)	87.6 (30.9)	93.2 (34.0)	91.7 (33.2)	83.6 (28.7)	70.4 (21.3)	57.2 (14.0)	48.2 (9.0)	70.1 (21.2)
Mean daily minimum °F (°C)	40.5 (4.7)	44.1 (6.7)	50.5 (10.3)	56.9 (13.8)	66.1 (18.9)	75.8 (24.3)	82.0 (27.8)	80.6 (27.0)	72.4 (22.4)	59.6 (15.3)	47.3 (8.5)	39.6 (4.2)	59.6 (15.3)
Mean minimum °F (°C)	29.8 (−1.2)	32.9 (0.5)	38.7 (3.7)	45.2 (7.3)	52.8 (11.6)	62.2 (16.8)	72.9 (22.7)	70.8 (21.6)	60.8 (16.0)	47.4 (8.6)	35.2 (1.8)	29.0 (−1.7)	27.4 (−2.6)
Record low °F (°C)	8 (−13)	16 (−9)	19 (−7)	31 (−1)	38 (3)	48 (9)	56 (13)	54 (12)	43 (6)	26 (−3)	15 (−9)	11 (−12)	8 (−13)

<b>Average precipitation inches (mm)</b>	0.56 (14)	0.80 (20)	0.42 (11)	0.20 (5.1)	0.07 (1.8)	0.04 (1.0)	0.38 (9.7)	0.32 (8.1)	0.32 (8.1)	0.32 (8.1)	0.30 (7.6)	0.45 (11)	4.18 (106)
<b>Average snowfall inches (cm)</b>	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.2 (0.51)	0.2 (0.51)
<b>Average precipitation days (0.01 in)</b>	3.1	4.1	2.8	1.6	1.1	0.4	2.5	2.2	1.8	1.7	1.5	3.0	25.8
<b>Average snowy days (0.1 in)</b>	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
<b>Average relative humidity (%)</b>	45.1	39.6	33.1	25.0	21.3	16.5	21.1	25.6	25.0	28.8	37.2	45.0	30.3
<b>Average dew point °F (°C)</b>	22.1 (-5.5)	23.7 (-4.6)	23.9 (-4.5)	24.1 (-4.4)	28.2 (-2.1)	30.9 (-0.6)	40.6 (4.8)	44.1 (6.7)	37.0 (2.8)	30.4 (-0.9)	25.3 (-3.7)	22.3 (-5.4)	29.4 (-1.5)
<b>Mean monthly sunshine hours</b>	245.2	246.7	314.6	346.1	388.1	401.7	390.9	368.5	337.1	304.4	246.0	236.0	3,825
<b>Percentage possible sunshine</b>	79	81	85	88	89	92	88	88	91	87	80	78	86

Source: NOAA (relative humidity, dew point and sun 1961–1990) [\[36\]](#)[\[38\]](#)[\[37\]](#)

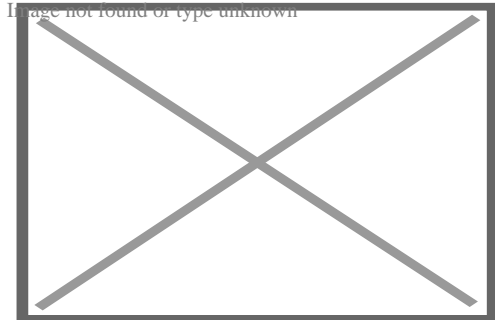


This graph was using the **legacy Graph extension**, which is no longer supported. It needs to be converted to the **new Chart extension**.

See or edit [raw graph data](#).

# Nearby communities

[[edit](#)]



The entrance to the community of [Summerlin](#)

- [Boulder City](#), incorporated
- [Enterprise](#), unincorporated
- [Henderson](#), incorporated
- [Lone Mountain](#), unincorporated
- [North Las Vegas](#), incorporated
- [Paradise](#), unincorporated
- [Spring Valley](#), unincorporated
- [Summerlin South](#), unincorporated
- [Sunrise Manor](#), unincorporated
- [Whitney](#), unincorporated
- [Winchester](#), unincorporated

# Neighborhoods

[[edit](#)]

- [Downtown](#)
- [The Lakes](#)
- [Summerlin](#)
- [West Las Vegas](#)



Demographics

[edit]

Historical population

Census	Pop.	Note	%±
1900	25		—
1910	800		3,100.0%
1920	2,304		188.0%
1930	5,165		124.2%
1940	8,422		63.1%
1950	24,624		192.4%
1960	64,405		161.6%
1970	125,787		95.3%
1980	164,674		30.9%
1990	258,295		56.9%
2000	478,434		85.2%
2010	583,756		22.0%
2020	641,903		10.0%
2024 (est.)	678,922		5.8%

source:[48][49]

2010–2010[9]

Las Vegas, Nevada – Racial and ethnic composition

*Note: the US Census treats Hispanic/Latino as an ethnic category. This table excludes Latinos from the racial categories and assigns them to a separate category. Hispanics/Latinos may be of any race.*

Race / Ethnicity (NH = Non-Hispanic)	Pop 2000[ 50]	Pop 2010[ 51]	Pop 2020[ 52]	% 2000	% 2010	% 2020
White alone (NH)	277,704	279,703	259,561	58.04%	47.91%	40.44%
Black or African American alone (NH)	48,380	62,008	79,129	10.11%	10.62%	12.33%
Native American or Alaska Native alone (NH)	2,405	2,391	2,291	0.50%	0.41%	0.36%
Asian alone (NH)	22,411	34,606	44,995	4.68%	5.93%	7.01%

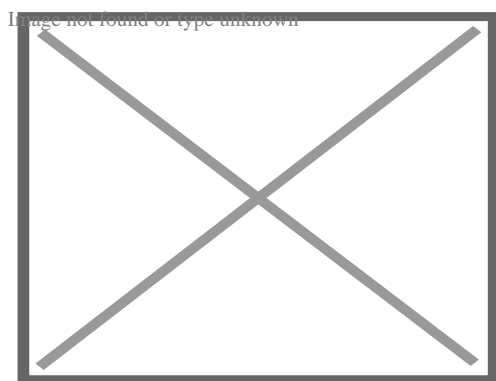
Pacific Islander alone (NH)	1,935	3,103	4,204	0.40%	0.53%	0.65%
Other race alone (NH)	650	1,101	3,855	0.14%	0.19%	0.60%
Mixed race or Multiracial (NH)	11,987	16,985	34,040	2.51%	2.91%	5.30%
Hispanic or Latino (any race)	112,962	183,859	213,828	23.61%	31.50%	33.31%
<b>Total</b>	<b>474,434</b>	<b>583,756</b>	<b>641,903</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

## 2020 census

[[edit](#)]

According to the [2020 United States census](#), the city of Las Vegas had 644,883 people living in 244,429 [households](#). The racial composition of the City of Las Vegas was 49.2% [white](#), 11.9% [black](#), 1.1% [American Indian or Alaska Native](#), 6.9% Asian, [Hispanic or Latino](#) residents of any race were 34.1% and 16.2% from [two or more races](#). 40.8% were [non-Hispanic white](#).<sup>[53]</sup>

Approximately 5.8% of residents are under the age of five, 22.8% under the age of eighteen and 15.6% over 65 years old. Females are 50.0% of the total population.<sup>[53]</sup>



Map of racial distribution in the Las Vegas area, 2020 U.S. Census. Each dot is 25 people: [?](#) White

[?](#) Black

[?](#) Asian

? Hispanic

? Native American

? Mixed or Other

From 2019 to 2023, Las Vegas had approximately 244,429 **households**, with an average of 2.63 persons per household. About 55.7% of housing units were owner-occupied, and the median value of owner-occupied housing was \$395,300. Median gross rent during this period was \$1,456 per month (in 2023 dollars).[\[53\]](#)

The median **household income** in Las Vegas from 2019 to 2023 was \$70,723, while the **per capita** income was \$38,421 (in 2023 dollars). Approximately 14.2% of the population lived below the poverty line during the same period.[\[53\]](#)

Residents over 25 years old with a **high school diploma** were 85.8% of the population with 27.3% having attained a **bachelor's degree or higher**.[\[53\]](#)

About 33.0% of residents aged 5 and older speak a language other than English at home. 20.9% of residents are foreign-born.[\[53\]](#)

The mean travel time to work for residents aged 16 and older was approximately 25.8 minutes between 2019 and 2023. The vast majority of households in Las Vegas are **digitally connected**, with 95.6% having a computer and 89.1% subscribing to **broadband internet** services .

Filipinos make up the largest Asian population in Las Vegas. 31,931 Filipinos live within the city limits, making up 4.8% of the population.[\[54\]](#) In the Las Vegas area as a whole, there are 162,802 Filipinos, making up 7% of the population.[\[55\]](#) Native Hawaiians are also a major demographic in the city, numbering 20,829 in the city and surrounding suburbs,[\[56\]](#) with some Hawaiians and Las Vegas residents calling the city the "ninth island of **Hawaii**" due to the major influx of Hawaiians to Vegas.[\[57\]](#)

According to a 2004 study, Las Vegas has one of the highest divorce rates.[\[58\]](#)[\[59\]](#) The city's high divorce rate is not wholly due to Las Vegasans themselves getting divorced. Compared to other states, Nevada's nonrestrictive requirements for divorce result in

many couples temporarily moving to Las Vegas in order to get divorced.<sup>[60]</sup> Similarly, Nevada marriage requirements are equally lax resulting in one of the highest marriage rates of U.S. cities, with many licenses issued to people from outside the area (see [Las Vegas weddings](#)).<sup>[60]</sup>

## 2010 census

[\[edit\]](#)

According to the [2010 Census](#), the city of Las Vegas had a population of 583,756. The city's racial composition had shifted slightly, with 47.91% of the population identifying as White alone (non-Hispanic), 10.63% as Black or African American alone (non-Hispanic), 0.41% as Native American or Alaska Native alone (non-Hispanic), 5.93% as Asian alone (non-Hispanic), 0.53% as Pacific Islander alone (non-Hispanic), 0.19% as Other Race alone (non-Hispanic), and 2.91% as Mixed race or Multiracial (non-Hispanic). Hispanic or Latino individuals of any race represented 31.50% of the population.<sup>[51]</sup>

## 2000 census

[\[edit\]](#)

According to the [2000 census](#), Las Vegas had a population of 474,434 people. The racial makeup of the city was 58.52% White alone (non-Hispanic), 10.19% Black or African American alone (non-Hispanic), 0.51% Native American or Alaska Native alone (non-Hispanic), 4.72% Asian alone (non-Hispanic), 0.41% Pacific Islander alone (non-Hispanic), 0.14% Other Race alone (non-Hispanic), and 2.52% Mixed race or Multiracial (non-Hispanic). Hispanic or Latino individuals of any race made up 23.81% of the population.<sup>[50]</sup>

Historical racial profile	2020 <sup>[61]</sup>	2010 <sup>[62]</sup>	2000 <sup>[63]</sup>	1990 <sup>[64]</sup>	1970 <sup>[64]</sup>
White	46.0%	62.1%	69.9%	78.4%	87.6%
—Non-Hispanic Whites	40.4%	47.9%	58.0%	72.1%	83.1% <sup>[c]</sup>

Black or African American	12.9%	11.1%	10.4%	11.4%	11.2%
Hispanic or Latino (of any race)	33.3%	31.5%	23.6%	12.5%	4.6% <span>[c]</span>
Asian	7.2%	6.1%	4.8%	3.6%	0.7%

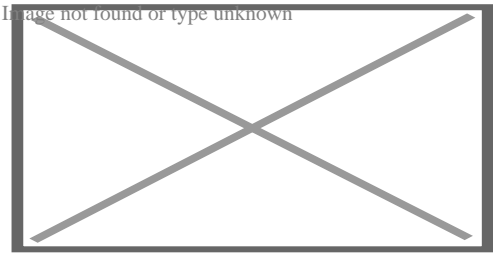
Economy

[edit]

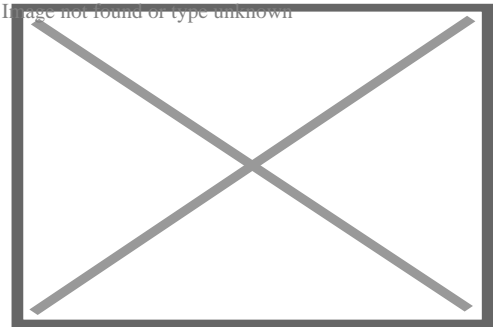
The primary drivers of the Las Vegas economy are tourism, gaming, and conventions, which in turn feed the retail and restaurant industries.

Tourism

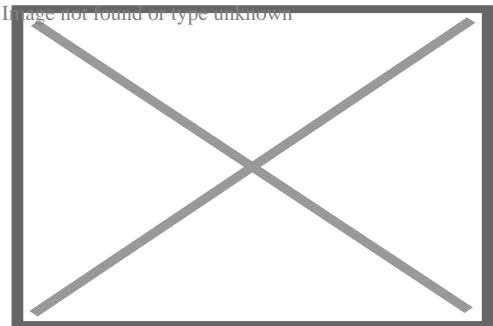
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The Golden Nugget Las Vegas



The Las Vegas Strip, primarily located in Paradise



A view of the [Las Vegas Valley](#) looking north from the [Stratosphere Tower](#)

The major attractions in Las Vegas are the casinos and the hotels, although in recent years other new attractions have begun to emerge.

Most casinos in the downtown area are on [Fremont Street](#), with [The STRAT Hotel, Casino & Skypod](#) as one of the few exceptions. [Fremont East](#), adjacent to the Fremont Street Experience, was granted variances to allow bars to be closer together, similar to the [Gaslamp Quarter](#) of San Diego, the goal being to attract a different demographic than the Strip attracts.

## Downtown casinos

[[edit](#)]

Main article: [Downtown \(Nevada gaming area\)](#)

The [Golden Gate Hotel and Casino](#), downtown along the Fremont Street Experience, is the oldest continuously operating hotel and casino in Las Vegas; it opened in 1906 as the Hotel Nevada.

In 1931, the [Northern Club](#) (now the [La Bayou](#)) opened.<sup>[65][66]</sup> The most notable of the early casinos may have been [Binion's Horseshoe](#) (now [Binion's Gambling Hall and Hotel](#)) while it was run by [Benny Binion](#).

[Boyd Gaming](#) has a major presence downtown operating the [California Hotel & Casino](#), the [Fremont Hotel & Casino](#), and the [Main Street Casino](#). The [Four Queens](#) also operates downtown along the Fremont Street Experience.

Downtown casinos that have undergone major renovations and revitalization in recent years include the [Golden Nugget Las Vegas](#), [The D Las Vegas](#) (formerly Fitzgerald's), the [Downtown Grand Las Vegas](#) (formerly Lady Luck), the [El Cortez Hotel & Casino](#), and the [Plaza Hotel & Casino](#).<sup>[67]</sup>

In 2020, [Circa Resort & Casino](#) opened, becoming the first all-new hotel-casino to be built on Fremont Street since 1980.<sup>[68]</sup>



## Las Vegas Strip

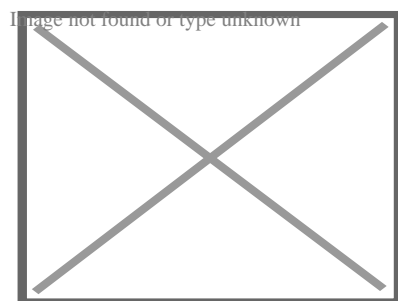
[[edit](#)]

Main article: [Las Vegas Strip](#)

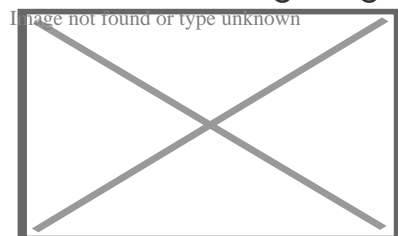
The center of the gambling and entertainment industry is the [Las Vegas Strip](#), outside the city limits in the surrounding unincorporated communities of [Paradise](#) and [Winchester](#) in Clark County. Some of the largest casinos and buildings are there.<sup>[69]</sup>

## Welcome signs

[[edit](#)]



The original Welcome to Fabulous Las Vegas sign



Gateway Arches

In 1929, the city installed a welcome arch over [Fremont Street](#), at the corner of Main Street.<sup>[70][71][72]</sup> It remained in place until 1931.<sup>[73][74]</sup>

In 1959, the 25-foot-tall (7.6 m) [Welcome to Fabulous Las Vegas sign](#) was installed at the south end of the [Las Vegas Strip](#). A replica welcome sign, standing nearly 16 feet (4.9 m) tall, was installed within city limits in 2002, at [Las Vegas Boulevard](#) and Fourth Street.<sup>[75][76][77]</sup> The replica was destroyed in 2016, when a pickup truck crashed into it.<sup>[78]</sup>

In 2018, the city approved plans for a new gateway landmark in the form of neon arches. It was built within city limits, in front of the [Strat](#) resort and north of [Sahara Avenue](#).<sup>[79]</sup> The project, built by [YESCO](#), cost \$6.5 million and stands 80 feet (24 m) high.<sup>[80]</sup> Officially known as the Gateway Arches, the project was completed in 2020. The steel arches are blue during the day, and light up in a variety of colors at night.<sup>[81]</sup>

Also located just north of the Strat are a pair of giant neon showgirls, initially added in 2018 as part of a \$400,000 welcome display. The original showgirls were 25 feet (7.6 m) tall, but were replaced by new ones in 2022, rising 50 feet (15 m).<sup>[82][83]</sup> The originals were refurbished following weather damage and installed at the [Las Vegas Arts District](#).<sup>[83][84]</sup>

## Development

<sup>[edit]</sup>

See also: [List of tallest buildings in Las Vegas](#)

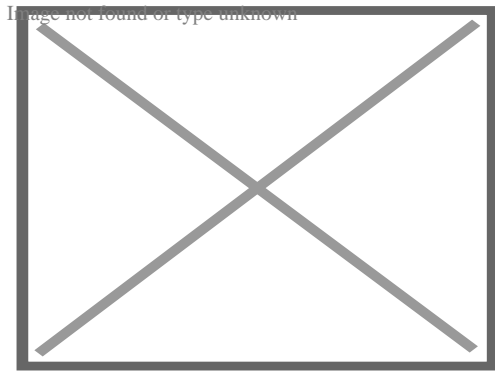
When [The Mirage](#) opened in 1989, it started a trend of major resort development on the Las Vegas Strip outside of the city. This resulted in a drop in tourism in the downtown area, but many recent projects have increased the number of visitors to downtown.

An effort has been made by city officials to diversify the economy by attracting health-related, high-tech and other commercial interests. No state tax for individuals or corporations, as well as a lack of other forms of business-related taxes, have aided the success of these efforts.<sup>[85]</sup>

The Fremont Street Experience was built in an effort to draw tourists back to the area and has been popular since its startup in 1995.

The city conducted a land-swap deal in 2000 with [Lehman Brothers](#), acquiring 61 acres (25 ha) of property near downtown Las Vegas in exchange for 91 acres (37 ha) of the Las Vegas Technology Center.<sup>[86]</sup> In 2004, Las Vegas Mayor [Oscar Goodman](#) announced that the area would become home to [Symphony Park](#) (originally called "Union Park"<sup>[87]</sup>), a mixed-use development. The development is home to the

Cleveland Clinic Lou Ruvo Center for Brain Health, The Smith Center for the Performing Arts, the Discovery Children's Museum, the Las Vegas Chamber of Commerce, and four residential projects totaling 600 residential units as of 2024.[88]



World Market Center Building A

In 2005, the World Market Center opened, consisting of three large buildings taking up 5,400,000 square feet (500,000 m<sup>2</sup>). Trade shows for the furniture and furnishing industries are held there semiannually.[89]

Also nearby is the Las Vegas North Premium Outlets. With a second expansion, completed in May 2015, the mall currently offers 175 stores.[90]

City offices moved to a new Las Vegas City Hall in February 2013 on downtown's Main Street. The former city hall building is now occupied by the corporate headquarters for the online retailer Zappos.com, which opened downtown in 2013. Zappos CEO Tony Hsieh took an interest in the urban area and contributed \$350 million toward a revitalization effort called the Downtown Project.[91][92] Projects funded include Las Vegas's first independent bookstore, The Writer's Block.[93]

## Other industries

[edit]

A number of new industries have moved to Las Vegas in recent decades. Zappos.com (now an Amazon subsidiary) was founded in San Francisco but by 2013 had moved its headquarters to downtown Las Vegas. Allegiant Air, a low-cost air carrier, launched in 1997 with its first hub at Harry Reid International Airport and headquarters in nearby

Summerlin.

**Planet 13 Holdings**, a cannabis company, opened the world's largest **cannabis dispensary** in Las Vegas at 112,000 sq ft (10,400 m<sup>2</sup>).<sup>[94][95]</sup>

## Effects of growth on water supply

[[edit](#)]

A growing population means the Las Vegas Valley used 1.2 billion US gal (4.5 billion L) more water in 2014 than in 2011. Although water conservation efforts implemented in the wake of a 2002 drought have had some success, local **water consumption** remains 30 percent greater than in Los Angeles, and over three times that of San Francisco metropolitan area residents. The **Southern Nevada Water Authority** is building a \$1.4 billion tunnel and pumping station to bring water from **Lake Mead**, has purchased water rights throughout Nevada, and has planned a controversial \$3.2 billion **pipeline** across half the state. By law, the Las Vegas Water Service District "may deny any request for a water commitment or request for a water connection if the District has an inadequate supply of water." But limiting growth on the basis of an inadequate water supply has been unpopular with the casino and building industries.<sup>[47]</sup>

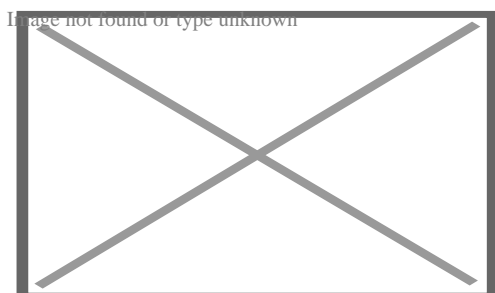
## Culture

[[edit](#)]

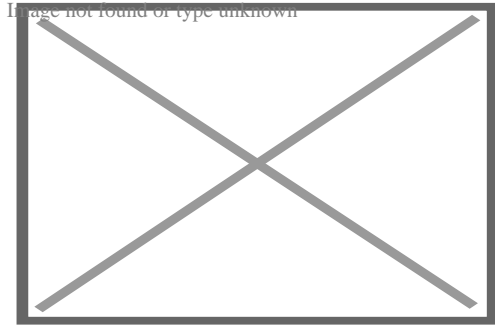
Main article: **Las Vegas Valley § Culture and the arts**

See also: **List of Las Vegas landmarks**

"Las Vegas culture" redirects here. For the ancient Ecuadorian civilization, see **Las Vegas culture (archaeology)**.



## The [Smith Center for the Performing Arts](#) & Discovery Museum



### [Symphony Park](#) in [Downtown Las Vegas](#)

The city is home to several museums, including the [Neon Museum](#) (the location for many of the historical signs from Las Vegas's mid-20th century heyday), The [Mob Museum](#), the [Las Vegas Natural History Museum](#), the Discovery Children's Museum, the Nevada State Museum and the Old Las Vegas Mormon Fort State Historic Park.

The city is home to an extensive [Downtown Arts District](#), which hosts numerous galleries and events including the annual Las Vegas Film Festival. "First Friday" is a monthly celebration that includes arts, music, special presentations and food in a section of the city's downtown region called 18b, The Las Vegas Arts District.<sup>[96]</sup> The festival extends into the Fremont East Entertainment District.<sup>[97]</sup> The Thursday evening before First Friday is known in the arts district as "Preview Thursday," which highlights new gallery exhibitions throughout the district.<sup>[98]</sup>

The [Las Vegas Academy of International Studies, Performing and Visual Arts](#) is a [Grammy](#) award-winning magnet school located in downtown Las Vegas. The [Smith Center for the Performing Arts](#) is downtown in [Symphony Park](#) and hosts various Broadway shows and other artistic performances.

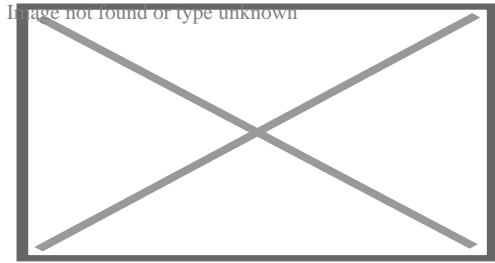
Las Vegas has earned the moniker "Gambling Capital of the World," as it has the world's most land-based casinos.<sup>[99]</sup> The city is also host to more [AAA Five Diamond](#) hotels than any other city in the world.<sup>[100]</sup>

## Sports

[\[edit\]](#)

Main article: [Sports in the Las Vegas metropolitan area](#)

See also: [Nevada § Sports](#)



**Allegiant Stadium** is the home of the **Las Vegas Raiders NFL** football team.

The Las Vegas Valley is the home of three **major professional** teams: the **National Hockey League** (NHL)'s **Vegas Golden Knights**, an **expansion team** that began play in the **2017–18 NHL season** at **T-Mobile Arena** in nearby **Paradise**,<sup>[101]</sup> the **National Football League** (NFL)'s **Las Vegas Raiders**, who **relocated** from **Oakland, California**, in 2020 and play at **Allegiant Stadium** in **Paradise**,<sup>[102]</sup> and the **Women's National Basketball Association** (WNBA)'s **Las Vegas Aces**, who play at the **Mandalay Bay Events Center**. The **Oakland Athletics** of **Major League Baseball** (MLB) will **move** to Las Vegas by 2028.<sup>[103][104]</sup>

Two minor league sports teams play in the Las Vegas area. The **Las Vegas Aviators** of the **Pacific Coast League**, the **Triple-A** farm club of the Athletics, play at **Las Vegas Ballpark** in nearby **Summerlin**.<sup>[105]</sup> The **Las Vegas Lights FC** of the **United Soccer League** play in **Cashman Field** in **Downtown Las Vegas**.<sup>[106][107]</sup>

The mixed martial arts promotion, **Ultimate Fighting Championship** (UFC), is headquartered in Las Vegas and also frequently holds fights in the city at **T-Mobile Arena** and at the **UFC Apex** training facility near the headquarters.<sup>[108]</sup>

North of Las Vegas is the **Las Vegas Motor Speedway**, a 1.5 mile tri-oval constructed in 1972 that hosts two **NASCAR Cup Series** races each year, **one in the spring** and a **playoff race in the fall**.<sup>[109]</sup>

## List of teams

<sup>[[edit](#)]</sup>

### Major professional teams

<sup>[[edit](#)]</sup>



Team	Sport	League	Venue (capacity)	Established Titles	
<b>Las Vegas Raiders</b>	Football	NFL	Allegiant Stadium (65,000)	2020	3[d]
<b>Vegas Golden Knights</b>	Ice hockey	NHL	T-Mobile Arena (17,500)	2017	1
<b>Las Vegas Aces</b>	Women's basketball	WNBA	Michelob Ultra Arena (12,000)	2018	2

### Minor professional teams

[edit]

Team	Sport	League	Venue (capacity)	Established Titles	
<b>Las Vegas Aviators</b>	Baseball	MiLB (AAA–PCL)	Las Vegas Ballpark (10,000)	1983	2
<b>Henderson Silver Knights</b>	Ice hockey	AHL	Lee's Family Forum (5,567)	2020	0
<b>Las Vegas Lights FC</b>	Soccer	USLC	Cashman Field (9,334)	2018	0
<b>Vegas Knight Hawks</b>	Indoor football	IFL	Lee's Family Forum (6,019)	2021	0
<b>Las Vegas Desert Dogs</b>	Box lacrosse	NLL	Lee's Family Forum (5,567)		0

### Semi-pro and amateur teams

[edit]

Team	Sport	League	Venue (capacity)	Established Titles	
<b>Las Vegas Dream</b>	Basketball	ABA		2023	
<b>Las Vegas Royals</b>				2020	
<b>Vegas Jesters</b>	Ice hockey	MWHL	City National Arena	2012	0
<b>Las Vegas Thunderbirds</b>		USPHL		2019	0

<b>Las Vegas Legends</b>	Soccer	<b>NPSL</b>	Peter Johann Memorial Field (2,500)	2021	0
<b>Vegas NVaders</b>	Women's football	<b>WFA – D2</b>	<b>Desert Pines High School (N/A)</b>	2023	0

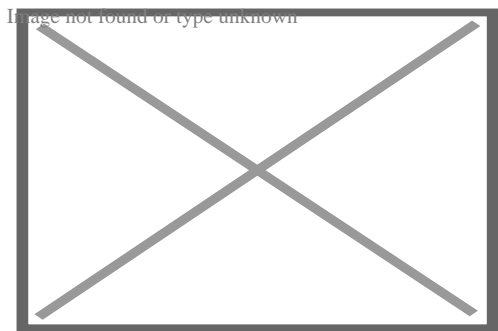
### College teams

[[edit](#)]

School	Team	League	Division	Primary Conference
University of Nevada, Las Vegas (UNLV)	<b>UNLV Rebels</b>	NCAA	NCAA Division I	Mountain West
College of Southern Nevada (CSN)	<b>CSN Coyotes</b>	NJCAA	NJCAA Division I	Scenic West

### Parks and recreation

[[edit](#)]



Spanish Trail Country Club, a 27-hole golf course

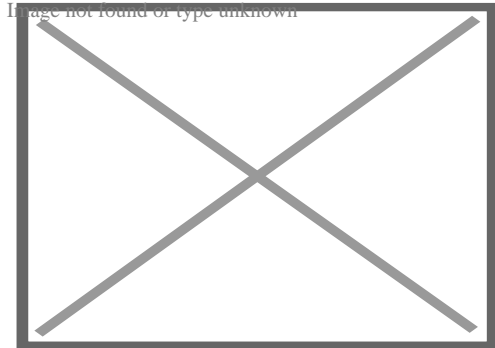
The city's parks and recreation department operates 78 regional, community, neighborhood, and pocket parks; four municipal swimming pools, 11 recreational centers, four active adult centers, eight cultural centers, six galleries, eleven dog parks, and four golf courses: Angel Park Golf Club, Desert Pines Golf Club, Durango Hills Golf Club, and the Las Vegas Municipal Golf Course.<sup>[110]</sup>

It is also responsible for 123 playgrounds, 23 softball fields, 10 football fields, 44 soccer fields, 10 dog parks, six community centers, four senior centers, 109 skate parks, and six

swimming pools.[111]

## Government

[[edit](#)]



[Las Vegas City Hall](#) in downtown Las Vegas

The city of Las Vegas has a [council–manager government](#).<sup>[112]</sup> The mayor sits as a council member–at–large and presides over all [city council](#) meetings.<sup>[112]</sup> If the mayor cannot preside over a city council meeting, then the Mayor [pro tempore](#) is the [presiding officer](#) of the meeting until the Mayor returns to his/her seat.<sup>[113]</sup> The city manager is responsible for the administration and the day–to–day operations of all [municipal services](#) and city departments.<sup>[114]</sup> The city manager maintains intergovernmental relationships with federal, state, county and other local governments.<sup>[114]</sup>

Out of the 2,265,461 people in Clark County as of the 2020 Census, approximately 1,030,000 people live in [unincorporated Clark County](#), and around 650,000 live in incorporated cities such as [North Las Vegas](#), [Henderson](#) and [Boulder City](#).<sup>[115]</sup> Las Vegas and Clark County share a police department, the [Las Vegas Metropolitan Police Department](#), which was formed after a 1973 merger of the [Las Vegas Police Department](#) and the [Clark County Sheriff's Department](#).<sup>[116]</sup> North Las Vegas, Henderson, Boulder City, Mesquite, UNLV and CCSD have their own police departments.<sup>[117]</sup>

The [federally–recognized Las Vegas Tribe of Paiute Indians](#) ([Southern Paiute: Nuvagantucimi](#)) occupies a 31–acre (130,000 m<sup>2</sup>) [reservation](#) just north downtown between [Interstate–15](#) and Main Street.<sup>[118][119][120]</sup>

Downtown is the location of [Lloyd D. George Federal District Courthouse](#)<sup>[121]</sup> and the Regional Justice Center,<sup>[122]</sup> draws numerous companies providing bail, marriage, divorce, tax, [incorporation](#) and other legal services.

# City council

[\[edit\]](#)

Name	Position	Party	References	Notes
<a href="#">Shelley Berkley</a>	Mayor	<a href="#">Democratic</a>	<a href="#">[123]</a>	
Brian Knudsen	1st Ward Council member	<a href="#">Democratic</a>	<a href="#">[124]</a> <a href="#">[125]</a>	Mayor Pro Tem
<a href="#">Victoria Seaman</a>	2nd Ward Council member	<a href="#">Republican</a>	<a href="#">[126]</a> <a href="#">[125]</a>	
<a href="#">Olivia Diaz</a>	3rd Ward Council member	<a href="#">Democratic</a>	<a href="#">[127]</a> <a href="#">[125]</a>	
<a href="#">Francis Allen-Palenske</a>	4th Ward Council member	<a href="#">Republican</a>		
<a href="#">Shondra Summers-Armstrong</a>	5th Ward Council member	<a href="#">Democratic</a>	<a href="#">[128]</a>	
Nancy Brune	6th Ward Council member	<a href="#">Democratic</a>		

## Politics

[\[edit\]](#)

Las Vegas City Presidential Election Results

### Las Vegas City Presidential Election Results<sup>[129]</sup>

Year	<a href="#">Democratic</a>	<a href="#">Republican</a>	<a href="#">Third Parties</a>
<a href="#">2024</a>	<a href="#">51.4%</a> <a href="#">149,647</a>	<a href="#">46.8%</a> <a href="#">136,073</a>	<a href="#">1.8%</a> <a href="#">5,299</a>
<a href="#">2020</a>	<a href="#">54.3%</a> <a href="#">150,733</a>	<a href="#">43.7%</a> <a href="#">121,302</a>	<a href="#">2.1%</a> <a href="#">5,763</a>

M:	2016	52.9%	121,107	41.2%	94,392	5.9%	13,544
	2012	57.7%	119,156	42.3%	87,227	0%	0
P:	2008	58.8%	118,827	39.2%	79,207	1.89%	22,436

[edit]

Main article: [Clark County School District](#)

Primary and secondary [public education](#) is provided by the [Clark County School District](#).<sup>[130]</sup>

## Public higher education

[edit]

Public higher education is provided by the [Nevada System of Higher Education](#) (NSHE). Public institutions serving Las Vegas include the [University of Nevada, Las Vegas](#) (UNLV), the [College of Southern Nevada](#) (CSN), [Nevada State University](#) (NSU), and the [Desert Research Institute](#) (DRI).<sup>[131]</sup>

UNLV is a public, land-grant, [R1 research](#) university and is home to the [Kirk Kerkorian School of Medicine](#)<sup>[132]</sup> and the [William S. Boyd School of Law](#), the only law school in Nevada.<sup>[133]</sup> The university's campus is urban and located about two miles east of the Las Vegas strip. The Desert Research Institute's southern campus sits next to UNLV, while its northern campus is in Reno.<sup>[134]</sup>

CSN, with campuses throughout Clark County,<sup>[135]</sup> is a [community college](#) with one of the largest enrollments in the United States.<sup>[136]</sup> In unincorporated Clark County, CSN's Charleston campus is home to the headquarters of [Nevada Public Radio](#) (KNPR), an [NPR](#) member station.<sup>[137]</sup><sup>[138]</sup>

## Private higher education

[[edit](#)]

**Touro University Nevada** located in **Henderson** is a non-profit, private institution primarily focusing on medical education.<sup>[139]</sup> Other institutions include a number of for-profit private schools (e.g., **Le Cordon Bleu College of Culinary Arts**,  **DeVry University**, among others).<sup>[140]</sup>

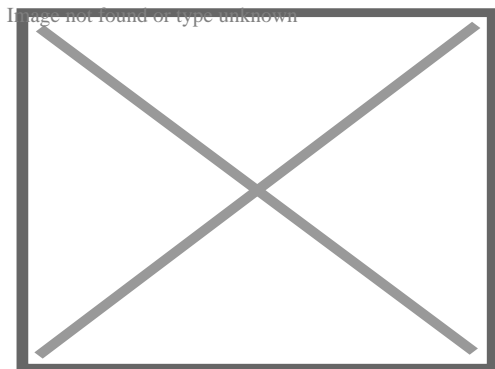
## Media

[[edit](#)]

Main article: **Media in Las Vegas**

# Newspapers

[[edit](#)]



Las Vegas *Review-Journal* sign

- ***Las Vegas Review-Journal***, the area's largest daily newspaper, is published every morning. It was formed in 1909 but has roots back to 1905. It is the largest newspaper in Nevada and is ranked as one of the top 25 newspapers in the United States by circulation. In 2000, the *Review-Journal* installed the largest newspaper printing press in the world. It cost \$40 million, weighs 910 tons and consists of 16 towers.<sup>[141]</sup> Until his death in January 2021, the newspaper was owned by casino magnate **Sheldon Adelson**, who purchased it for \$140 million in December 2015. In 2018, the *Review-Journal* received the **Sigma Delta Chi Award** from the **Society of Professional Journalists** for reporting the **Oct 1 mass shooting** on the Las Vegas Strip. In 2018 and 2022, *Editor and Publisher* magazine named the *Review-Journal* as one of 10 newspapers in the United States "doing it right." [



142][143]

- *Las Vegas Sun*, based in neighboring *Henderson*, is a daily newspaper. Although independently published, the print edition is distributed as a section inside the *Review-Journal*. The *Sun* is owned by the Greenspun family and is part of the *Greenspun Media Group*. It was founded independently in 1950 and in 1989 entered into a *Joint Operating Agreement* with the *Review-Journal*, which runs through 2040. The *Sun* has been described as "politically liberal." [144] In 2009, the *Sun* was awarded a *Pulitzer Prize for Public Service* for coverage of the high death rate of construction workers on the Las Vegas Strip amid lax enforcement of regulations.[145][146]
- *Las Vegas Weekly*, based in neighboring Henderson, is a free *alternative weekly* newspaper. It covers Las Vegas arts, entertainment, culture and news. *Las Vegas Weekly* was founded in 1992 and is published by the Greenspun Media Group.

## Broadcast

[edit]

Las Vegas is served by 10 full power television stations and 46 radio stations. The area is also served by two NOAA Weather Radio transmitters (162.55 MHz located in Boulder City and 162.40 MHz located on *Potosi Mountain*).

- *Radio stations in Las Vegas*
- *Television stations in Las Vegas*

## Magazines

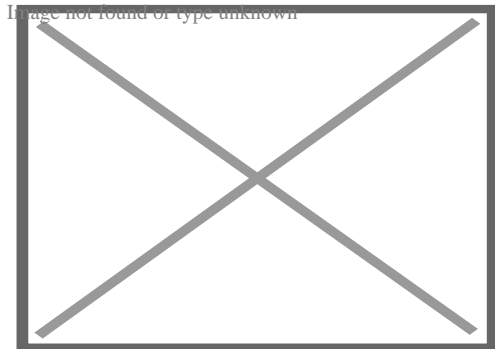
[edit]

- *Desert Companion*
- *Las Vegas Weekly*
- *Luxury Las Vegas*

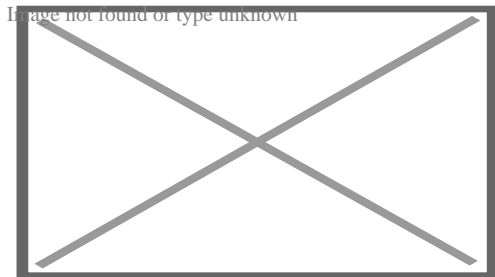
## Transportation

[[edit](#)]

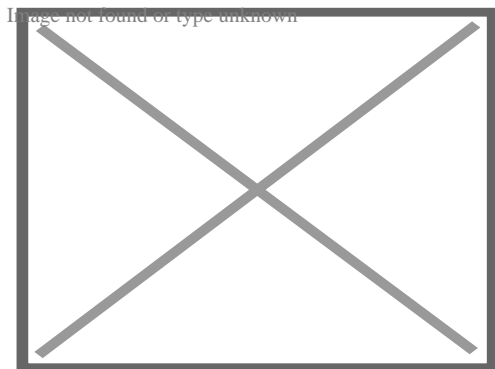
Main article: [Transportation in Las Vegas](#)



Regional Transportation Commission (RTC) provides public bus transportation.



[Harry Reid International Airport](#) provides private and public aviation services to the city.



Inside Terminal 3 at Harry Reid International Airport in Paradise

[RTC Transit](#) is a public transportation system providing bus service throughout Las Vegas, Henderson, North Las Vegas and other areas of the valley. Inter-city bus service to and from Las Vegas is provided by [Greyhound](#), [BoltBus](#), [Orange Belt Stages](#), [Tufesa](#), and several smaller carriers.<sup>[147]</sup>

Amtrak trains have not served Las Vegas since the service via the *Desert Wind* at Las Vegas station ceased in 1997, but Amtrak California operates Amtrak Thruway dedicated service between the city and its passenger rail stations in Bakersfield, California, as well as Los Angeles Union Station via Barstow.[148]

High-speed rail project Brightline West began construction in 2024 to connect Brightline's Las Vegas station and the Rancho Cucamonga station in Greater Los Angeles.[149]

The Las Vegas Monorail on the Strip was privately built, and upon bankruptcy taken over by the Las Vegas Convention and Visitors Authority.[150]

Silver Rider Transit operates three routes within Las Vegas, offering connections to Laughlin,[151] Mesquite,[152] and Sandy Valley.[153]

The Union Pacific Railroad is the only Class I railroad providing rail freight service to the city. Until 1997, the Amtrak *Desert Wind* train service ran through Las Vegas using the Union Pacific Railroad tracks.

In March 2010, the RTC launched bus rapid transit link in Las Vegas called the *Strip & Downtown Express* with limited stops and frequent service that connects downtown Las Vegas, the Strip and the Las Vegas Convention Center. Shortly after the launch, the RTC dropped the ACE name.[154]

In 2016, 77.1 percent of working Las Vegas residents (those living in the city, but not necessarily working in the city) commuted by driving alone. About 11 percent commuted via carpool, 3.9 percent used public transportation, and 1.4 percent walked. About 2.3 percent of Las Vegas commuters used all other forms of transportation, including taxi, bicycle, and motorcycle. About 4.3% of working Las Vegas residents worked at home.[155] In 2015, 10.2 percent of city of Las Vegas households were without a car, which increased slightly to 10.5 percent in 2016. The national average was 8.7 percent in 2016. Las Vegas averaged 1.63 cars per household in 2016, compared to a national average of 1.8 per household.





With some exceptions, including Las Vegas Boulevard, Boulder Highway (SR 582) and Rancho Drive (SR 599), the majority of surface streets in Las Vegas are laid out in a grid along Public Land Survey System section lines. Many are maintained by the Nevada




Department of Transportation as state highways. The street numbering system is divided by the following streets:

- Westcliff Drive, US 95 Expressway, Fremont Street and Charleston Boulevard divide the north–south block numbers from west to east.
- Las Vegas Boulevard divides the east–west streets from the Las Vegas Strip to near the Stratosphere, then Main Street becomes the dividing line from the Stratosphere to the North Las Vegas border, after which the Goldfield Street alignment divides east and west.
- On the east side of Las Vegas, block numbers between Charleston Boulevard and Washington Avenue are different along Nellis Boulevard, which is the eastern border of the city limits.







Interstates 15, 11, and US 95 lead out of the city in four directions. Two major freeways – Interstate 15 and Interstate 11/U.S. Route 95 – cross in downtown Las Vegas. I-15 connects Las Vegas to Los Angeles, and heads northeast to and beyond Salt Lake City. I-11 goes northwest to the Las Vegas Paiute Indian Reservation and southeast to Henderson and to the Mike O'Callaghan–Pat Tillman Memorial Bridge, where from this point I-11 will eventually continue along US 93 towards Phoenix, Arizona. US 95 (and eventually I-11) connects the city to northwestern Nevada, including Carson City and Reno. US 93 splits from I-15 northeast of Las Vegas and goes north through the eastern part of the state, serving Ely and Wells. US 95 heads south from US 93 near Henderson through far eastern California. A partial beltway has been built, consisting of Interstate 215 on the south and Clark County 215 on the west and north. Other radial routes include Blue Diamond Road (SR 160) to Pahrump and Lake Mead Boulevard (SR 147) to Lake Mead.

East–west roads, north to south[156]

- Ann Road
-  not found or type unknown Craig Road (SR 573)
-  not found or type unknown Cheyenne Avenue (SR 574)
- Smoke Ranch Road
-  not found or type unknown Washington Avenue (SR 578)
-  not found or type unknown Summerlin Parkway (SR 613)

-  **Bonanza Road** (SR 579)
-  **Charleston Boulevard** (SR 159)
-  **Sahara Avenue** (SR 589)

## North–south roads, west to east

- Fort Apache Road
- **Durango Drive**
- **Buffalo Drive**
-  **Rainbow Boulevard** (SR 595)
-  **Jones Boulevard** (SR 596)
- **Decatur Boulevard**
- **Valley View Boulevard**
-  **Rancho Drive**
- **Maryland Parkway**
-  **Eastern Avenue** (SR 607)
- **Pecos Road**
-  **Lamb Boulevard** (SR 610)
-  **Nellis Boulevard** (SR 612)

**Harry Reid International Airport** handles international and domestic flights into the Las Vegas Valley. The airport also serves private aircraft and freight/cargo flights. Most general aviation traffic uses the smaller **North Las Vegas Airport** and **Henderson Executive Airport**.

## Notable people

[[edit](#)]

Main article: **List of people from Las Vegas**

## See also

[[edit](#)]

- **Architecture of Las Vegas**
- **List of films set in Las Vegas**
- **List of films shot in Las Vegas**

- List of Las Vegas casinos that never opened
- List of mayors of Las Vegas
- List of television shows set in Las Vegas
- List of public art in Las Vegas
- List of baseball parks in Las Vegas
- Radio stations in Las Vegas
- Television stations in Las Vegas

## Notes

[[edit](#)]

- <sup>^</sup>
  - American English: /ləˈmeɪˈs VAY-gʲss
  - Spanish pronunciation: [las ˈmeˈðis] 'The Meadows'
- <sup>^</sup> Mean monthly maxima and minima (i.e. the highest and lowest temperature readings during an entire month or year) calculated based on data at said location from 1991 to 2020.
- <sup>^</sup> **a b** From 15% sample
- <sup>^</sup> Two titles were won when the team was based in **Oakland, California** and one was won during the team's time in **Los Angeles, California**.

## References

[[edit](#)]

- <sup>^</sup> *"Words and Their Stories: Nicknames for New Orleans and Las Vegas"*. VOA News. March 13, 2010. *Archived* from the original on April 25, 2016. Retrieved January 29, 2012.
- <sup>^</sup> Lovitt, Rob (December 15, 2009). *"Will the real Las Vegas please stand up?"*. NBC News. *Archived* from the original on November 3, 2020. Retrieved February 4, 2012.
- <sup>^</sup> Letourneau, Christian (May 24, 2022). *"How This Mainland City Became Known as Hawaii's 'Ninth Island'"*. Fodor's. Retrieved February 10, 2025.
- <sup>^</sup> Dymski, Gary. *"Ninth Island: The story behind Hawaiians' affinity for Las Vegas"*. KLAS-TV. *Archived* from *the original* on March 21, 2024. Retrieved February 10, 2025.



5. ^ ["ArcGIS REST Services Directory"](#). United States Census Bureau. *Archived from the original on October 11, 2014. Retrieved September 19, 2022.*
6. ^ ["City and Town Population Totals: 2020–2023"](#). United States Census Bureau, Population Division. *Archived from the original on July 11, 2022. Retrieved May 16, 2024.*
7. ^ ["2020 Population and Housing State Data"](#). United States Census Bureau. *Archived from the original on August 24, 2021. Retrieved August 22, 2021.*
8. ^ ["Total Gross Domestic Product for Las Vegas-Henderson-Paradise, NV \(MSA\)"](#). fred.stlouisfed.org.
9. ^ [a b "QuickFacts: Las Vegas city, Nevada"](#). United States Census Bureau. *Archived from the original on March 14, 2022. Retrieved August 22, 2021.*
10. ^ ["Profile of General Population and Housing Characteristics: 2010 Demographic Profile Data \(DP-1\): Las Vegas city, Nevada"](#). United States Census Bureau. *Archived from the original on July 9, 2021. Retrieved March 9, 2012.*
11. ^ ["Timeline"](#). Las Vegas Sun. *Archived from the original on May 20, 2008.*
12. ^ Stutz, Howard (January 25, 2024). ["In 2023, Las Vegas saw its highest visitation totals since before the pandemic"](#). Nevada Independent. *Archived from the original on July 13, 2024.*
13. ^ ["Overseas Visitation Estimates for U.S. States, Cities, and Census Regions: 2013" \(PDF\)](#). International Visitation in the United States. US Office of Travel and Tourism Industries, US Department of Commerce. May 2014. *Archived from the original (PDF) on November 13, 2018. Retrieved December 14, 2014.*
14. ^ ["World's Most-Visited Tourist Attractions"](#). Travel + Leisure. November 10, 2014. *Archived from the original on September 15, 2012. Retrieved January 10, 2015.*
15. ^ Jones, Charisse (August 21, 2013). ["Top convention destinations: Orlando, Chicago, Las Vegas"](#). USA Today. *Archived from the original on April 11, 2019. Retrieved September 2, 2017.*
16. ^ Brady, John (August 1, 2015). ["The Financial, Social, and Environmental Impacts of Sustainable Practices on the Las Vegas Hospitality Market"](#). UNLV Theses, Dissertations, Professional Papers, and Capstones. doi:10.34917/8349563.
17. ^ Schwartz, David G. (December 10, 2018). ["Why Las Vegas Is Still America's Most Sinful City"](#). Forbes. *Archived from the original on October 4, 2019. Retrieved August 27, 2019.*
18. ^ Al, Stefan (2017). *The Strip: Las Vegas and the architecture of the American dream*. Cambridge: MIT Press. p. 6. ISBN 978-0-262-03574-3.
19. ^ Land, Barbara; Land, Myrick (2010). *A short history of Las Vegas* (2nd ed.). Reno: University of Nevada Press. pp. Preface. ISBN 978-0-87417-643-8.
20. ^ Dymski, Gary (November 25, 2022). ["Las Vegas: Name comes from image of valley during trading party's search for water in 1829"](#). KLAS-TV. *Archived from the original on September 28, 2023.*

21. ^ Cordell, Linda (1994). *Ancient Pueblo Peoples*. St. Remy Press and Smithsonian Institution. pp. 18–19. *ISBN 0-89599-038-5*.
22. ^ Land, Barbara; Land, Myrick (March 1, 2004). *A Short History of Las Vegas*. University of Nevada Press. p. 4. *ISBN 978-0874176438*. Retrieved December 18, 2020.
23. ^ *"FAQs/History"*. Clark County, Nevada. Archived from *the original* on December 1, 2010. Retrieved December 4, 2008.
24. ^ Ponce, Victor Miguel. *"Las Vegas, how did Las Vegas get its name, groundwater depletion"*. *San Diego State University*. Archived from the original on July 1, 2014. Retrieved September 13, 2014.
25. ^ Federal Writers' Project (1941). *Origin of Place Names: Nevada* (PDF). *Works Progress Administration*. p. 16. Archived (PDF) from the original on April 9, 2018.
26. ^ Schwartz, David (April 9, 2014). *"My Nevada 5: The Days That Changed the Gaming World"*. *University of Nevada, Las Vegas News Center*. Archived from the original on December 4, 2024.
27. ^ Nevada Press Association (March 31, 2014). *"From 1931: Divorce, gambling get Nevada governor's signature"*. *Reno Gazette-Journal*. Archived from the original on May 10, 2021.
28. ^ *"Home"*. United States Air Force Thunderbirds. Archived from *the original* on October 20, 2019. Retrieved October 25, 2019.
29. ^ **a b** Simon, Steven; Bouville, Andre (January–February 2006). *"Fallout from Nuclear Weapons Tests and Cancer Risks"*. *American Scientist*. **94** (1): 48. doi: *10.1511/2006.57.48*. ISSN 0003-0996. Archived from *the original* on July 9, 2014. Retrieved December 18, 2020. *"Exposures 50 years ago still have health implications today that will continue into the future...Deposition...generally decreases with distance from the test site in the direction of the prevailing wind across North America, although isolated locations received significant deposition as a result of rainfall. Trajectories of the fallout debris clouds across the U.S. are shown for four altitudes. Each dot indicates six hours."*
30. ^ *"History"*. City of Las Vegas. Archived from *the original* on July 1, 2014. Retrieved December 2, 2016.
31. ^ Segall, Eli; Subrina Hudson (October 22, 2020). *"Zappos' new landlord is a familiar face"*. *Las Vegas Review-Journal*. Archived from the original on November 28, 2020. Retrieved December 18, 2020.
32. ^ *"Geography of Las Vegas, Nevada"*. *geography.about.com*. Archived from *the original* on April 12, 2014. Retrieved February 25, 2014.
33. ^ *"Flood control a success"*. *Las Vegas Review-Journal*. December 28, 2010. Archived from the original on May 1, 2021. Retrieved September 13, 2014.
34. ^ *"Loss-Estimation Modeling of Earthquake Scenarios for Each County in Nevada Using HAZUS-MH"* (PDF). Nevada Bureau of Mines and Geology. Nevada Bureau of Mines and Geology/University of Nevada, Reno. February 23, 2006. p. 65. Archived

(PDF) from the original on September 10, 2015. Retrieved March 27, 2016. "

"Probability of an earthquake of magnitude 6.0 or greater occurring within 50 km in 50 years (from USGS probabilistic seismic hazard analysis) 10–20% chance for Las Vegas area, magnitude 6".

35. ^ "Las Vegas Xeriscaping & Desert Landscaping Tips - Modern Landscape Las Vegas". April 6, 2015. Retrieved August 15, 2024.
36. ^ **a b c d e f g h i j** "NowData – NOAA Online Weather Data". National Oceanic and Atmospheric Administration. Archived from the original on July 21, 2021. Retrieved October 11, 2021.
37. ^ **a b** "WMO Climate Normals for LAS VEGAS/MCCARRAN, NV 1961–1990". National Oceanic and Atmospheric Administration. Archived from the original on August 3, 2023. Retrieved October 11, 2021.
38. ^ **a b** "Summary of Monthly Normals 1991–2020". National Oceanic and Atmospheric Administration. Archived from the original on August 3, 2023. Retrieved October 11, 2021.
39. ^ Osborn, Liz. "Cities With Low Humidity in the USA". Current Results. Archived from the original on October 19, 2016. Retrieved December 18, 2020.
40. ^ Saucedo, Daniel O. (December 2014). *Observed and Simulated Urban Heat Island and Urban Cool Island in Las Vegas* (PDF) (Thesis). University of Nevada, Reno. Archived (PDF) from the original on November 13, 2018. Retrieved December 18, 2020.
41. ^ Montero, David. "It just snowed in Vegas and likely will again this week. That isn't normal". *Los Angeles Times*. Archived from the original on February 21, 2019. Retrieved February 21, 2019.
42. ^ NWS Las Vegas [@NWSVegas] (February 21, 2019). "Las Vegas official snowfall for Feb 20th is 0.5 inches. This breaks a daily snowfall record for this date" (Tweet). Retrieved July 20, 2019 – via *Twitter*.
43. ^ Michor, Max (February 23, 2018). "Las Vegas Valley gets first touch of white winter". *Las Vegas Review-Journal*. Archived from the original on October 7, 2019. Retrieved July 20, 2019.
44. ^ Hansen, Kyle B. (August 26, 2011). "Photos: Remembering snowstorms in Las Vegas offers retreat from the heat". *Las Vegas Sun*. Archived from the original on July 20, 2019. Retrieved July 20, 2019.
45. ^ National Weather Service Las Vegas [@NWSVegas] (July 7, 2024). "Well, it managed to hit 120° at Harry Reid Airport. #nvwx" (Tweet). Retrieved July 8, 2024 – via *Twitter*.
46. ^ "Almanac for Las Vegas Area, NV (ThreadEx) - July 31, 2024". National Weather Service. August 1, 2024. Archived from the original on June 16, 2022. Retrieved August 2, 2024.
47. ^ **a b** Lustgarten, Abrahm (June 2, 2015). "Las Vegas Water Chief Pat Mulroy Preached Conservation, But Pushed Growth". *ProPublica*. Archived from the original

on June 2, 2015. Retrieved November 18, 2019.

48. ^ "Geographic Identifiers: 2010 Demographic Profile Data (G001): Las Vegas city, Nevada; count revision of 01-07-2018". United States Census Bureau. Archived from the original on July 9, 2021. Retrieved March 9, 2018.
49. ^ Moffatt, Riley. *Population History of Western U.S. Cities & Towns, 1850–1990*. Lanham: Scarecrow, 1996, 159.
50. ^ **a b** "P004: Hispanic or Latino, and Not Hispanic or Latino by Race – 2000: DEC Summary File 1 – Las Vegas city, Nevada". United States Census Bureau. Retrieved January 26, 2024.
51. ^ **a b** "P2: Hispanic or Latino, and Not Hispanic or Latino by Race – 2010: DEC Redistricting Data (PL 94-171) – Las Vegas city, Nevada". United States Census Bureau. Retrieved January 26, 2024.
52. ^ "P2: Hispanic or Latino, and Not Hispanic or Latino by Race – 2020: DEC Redistricting Data (PL 94-171) – Las Vegas city, Nevada". United States Census Bureau. Retrieved January 26, 2024.
53. ^ **a b c d e f** "Quick Facts: Las Vegas city, Nevada". United States Census Bureau. April 1, 2020.
54. ^ "Grid View: Table B02018 - Census Reporter". censusreporter.org. Retrieved April 29, 2025.
55. ^ "Grid View: Table B02018 - Census Reporter". censusreporter.org. Retrieved April 29, 2025.
56. ^ "Grid View: Table B02019 - Census Reporter". censusreporter.org. Retrieved April 29, 2025.
57. ^ "Las Vegas: Bright Lights, Big City, Small Town". State of the Reunion. Autumn 2012. Archived from the original on June 2, 2013. Retrieved July 5, 2013.
58. ^ Nichols, Mark W.; Stitt, B. Grant; Giacomassi, David (December 1, 2004). "Changes in Suicide and Divorce in New Casino Jurisdictions" (PDF). *Journal of Gambling Studies*. **20** (4): 391–404. doi:10.1007/s10899-004-4581-z. ISSN 1573-3602. PMID 15577274.
59. ^ Blakeslee, Sandra (December 16, 1997). "Suicide Rate Higher in 3 Gambling Cities, Study Says". *New York Times*. Archived from the original on September 29, 2009. Retrieved July 13, 2009.
60. ^ **a b** Clifford-Cruz, Rebecca; Goldberg, Delen (June 15, 2015). "Why Sin City is the wedding mecca and divorce capital of the country". *Las Vegas Sun*. Archived from the original on June 10, 2023. Retrieved January 12, 2025.
61. ^ "2020 census".
62. ^ "Las Vegas (city), Nevada". State & County QuickFacts. U.S. Census Bureau. Archived from the original on February 18, 2009. Retrieved April 20, 2012.
63. ^ "Race and Hispanic or Latino: 2000". U.S. Census Bureau. Archived from the original on October 25, 2016. Retrieved November 30, 2018.



64. ^ **a b** "Nevada – Race and Hispanic Origin for Selected Cities and Other Places: Earliest Census to 1990". U.S. Census Bureau. Archived from *the original* on August 12, 2012. Retrieved April 20, 2012.
65. ^ Rinella, Heidi Knapp (July 27, 2000). "New book raises questions about Silver State". Las Vegas Review-Journal.
66. ^ "Fremont Street Experience Brings Downtown Las Vegas into Next Century". *Fremont Street Experience*. Archived from *the original* on March 10, 2009. Retrieved December 8, 2008.
67. ^ 2013 Fiscal Year in Review, city of Las Vegas Economic and Urban Development Projects, "A New Downtown Emerges."
68. ^ Katsilometes, John (January 10, 2019). "*Circa is Las Vegas pioneer Derek Stevens' chosen title*". Las Vegas Review-Journal. Archived from the original on August 13, 2024. Retrieved August 22, 2019.
69. ^ Koch, Ed; Manning, Mary; Toplikar, Dave (May 15, 2008). "*Showtime: How Sin City evolved into 'The Entertainment Capital of the World'*". *Las Vegas Sun*. Archived from the original on March 6, 2019. Retrieved March 3, 2019.
70. ^ "*Great 'Welcome' Arch Planned For Officials*". Las Vegas Age. June 13, 1929. p. 1. Archived from the original on December 11, 2023. Retrieved December 11, 2023.
71. ^ "*Welcome Arch Material Fund Grows Rapidly*". Las Vegas Age. June 15, 1929. p. 1. Archived from the original on December 11, 2023. Retrieved December 11, 2023.
72. ^ "*Put a Star on It: A Brief History of the Welcome Sign*". *Neon Museum*. January 2, 2019. Archived from the original on December 11, 2023. Retrieved December 11, 2023.
73. ^ "*Welcome Arch Will be Razed*". Las Vegas Review-Journal. April 2, 1931. Archived from the original on December 11, 2023. Retrieved December 11, 2023.
74. ^ "*Welcome Arch is Razed Last Eve*". Las Vegas Review-Journal. April 4, 1931. Archived from the original on December 11, 2023. Retrieved December 11, 2023.
75. ^ "*The Other Las Vegas*". Las Vegas Review-Journal. December 4, 2002. Archived from *the original* on September 8, 2005.
76. ^ Brown, Patricia Leigh (January 13, 2005). "*A Neon Come-Hither, Still Able to Flirt*". *The New York Times*. Archived from the original on April 24, 2015. Retrieved December 18, 2020.
77. ^ "*Ask Mr. Sun: The Welcome to Fabulous Las Vegas sign*". Las Vegas Sun. November 25, 2008. Archived from the original on March 23, 2021. Retrieved December 11, 2023.
78. ^ Michor, Max (July 17, 2016). "*'Welcome to Fabulous Downtown Las Vegas' sign destroyed by truck*". Las Vegas Review-Journal. Archived from the original on December 11, 2023. Retrieved December 11, 2023.
79. ^ Akers, Mick (May 18, 2018). "*Neon arches to welcome visitors to downtown Las Vegas*". Las Vegas Sun. Archived from the original on December 20, 2023. Retrieved

December 11, 2023.

80. ^ Akers, Mick (March 2, 2020). *"Downtown Las Vegas gateway arch construction to start this month"*. Las Vegas Review-Journal. Retrieved December 11, 2023.
81. ^ Forgione, Mary (November 19, 2020). *"Can Sin City's new Gateway Arches outshine the Welcome to Las Vegas sign?"*. Los Angeles Times. Archived from the original on January 1, 2024. Retrieved December 11, 2023.
82. ^ Lane, Taylor (August 2, 2022). *"50-foot showgirls coming to north Strip"*. Las Vegas Review-Journal. Archived from the original on December 11, 2023. Retrieved December 11, 2023.
83. ^ **a b** Garcia, Tony (August 31, 2022). *"Pair of 50-foot-tall showgirls make downtown debut"*. Las Vegas Review-Journal. Archived from the original on December 11, 2023. Retrieved December 11, 2023.
84. ^ *"25-foot-tall showgirls relocated to Las Vegas Arts District gateway"*. KSNV. March 14, 2023. Retrieved December 11, 2023.
85. ^ *"Las Vegas Redevelopment Agency"*. City of Las Vegas. Archived from the original on May 4, 2016. Retrieved December 18, 2020.
86. ^ Neff, Erin (July 20, 2000). *"LV Council OKs Talks for Downtown Land Deal"*. Las Vegas Sun. Archived from the original on May 2, 2008.
87. ^ *"Area in downtown Las Vegas renamed Symphony Park"*. Las Vegas Review-Journal. May 21, 2009.
88. ^ *"Symphony Park"*. City of Las Vegas. Archived from the original on September 5, 2024. Retrieved January 11, 2025.
89. ^ Gillan, Jeff (April 30, 2018). *"You've seen it a million times. What's inside the World Market Center?"*. KSNV-TV.
90. ^ *"Premium Outlets: Las Vegas"*. Simon Property Group. Archived from the original on October 12, 2014. Retrieved September 13, 2014.
91. ^ *"Revitalizing Downtown Las Vegas"*. Downtown Project. Archived from the original on September 12, 2014. Retrieved September 13, 2014.
92. ^ Pratt, Timothy (October 19, 2012). *"What Happens in Brooklyn Moves to Vegas"*. The New York Times Magazine. Archived from the original on December 5, 2020. Retrieved December 18, 2020.
93. ^ Sieroty, Chris. *"Despite E-Books, Independent Bookstore Gambling on Downtown Las Vegas"*. KNPR News. Archived from the original on May 30, 2015. Retrieved December 18, 2020.
94. ^ Im, Jimmy (November 3, 2018). *"The world's largest cannabis dispensary just opened in Vegas—and it has an entertainment complex attached"*. CNBC. Archived from the original on June 24, 2019. Retrieved June 25, 2019.
95. ^ Chen, Angela (November 15, 2018). *"We visited the world's largest cannabis dispensary"*. The Verge. Archived from the original on June 24, 2019. Retrieved December 18, 2020.

96. ^ ["18b Las Vegas Art District"](#). 18b.org. Archived from [the original](#) on September 26, 2014. Retrieved September 13, 2014.
97. ^ ["First Friday Main Menu"](#). First Friday Las Vegas Network. Archived from [the original](#) on July 15, 2014. Retrieved September 13, 2014.
98. ^ ["Preview Thursday less hectic than First Friday art event"](#). *Las Vegas Review-Journal*. May 22, 2013. Archived from the original on July 24, 2022. Retrieved July 24, 2022.
99. ^ ["Las Vegas Gambling Capital"](#). vegasmobilecasino.co.uk. August 31, 2016. Retrieved September 5, 2017.
100. ^ Trejos, Nancy (January 17, 2014). ["AAA chooses Five Diamond hotels, restaurants for 2014"](#). USA Today. Archived from the original on April 26, 2015. Retrieved January 10, 2015.
101. ^ Rosen, Dan (June 22, 2016). ["Las Vegas awarded NHL franchise"](#). NHL.com. NHL Enterprises, L.P. Archived from the original on March 31, 2022. Retrieved May 20, 2022.
102. ^ Rosenthal, Gregg (March 27, 2017). ["NFL owners approve Raiders' move to Las Vegas"](#). NFL.com. NFL Enterprises, LLC. Archived from the original on July 5, 2023. Retrieved May 20, 2022.
103. ^ ["Oakland A's close in on move to Las Vegas after signing land deal for stadium"](#). The Guardian. April 20, 2023. ISSN 0261-3077. Archived from the original on July 22, 2023. Retrieved April 20, 2023.
104. ^ DUBOW, JOSH (April 20, 2023). ["Oakland A's purchase land for new stadium in Las Vegas"](#). SFGATE. Archived from the original on April 26, 2023. Retrieved April 20, 2023.
105. ^ Bowers, Nikki (April 17, 2018). ["Las Vegas 51s to rebrand, rename team"](#). KLAS News. Archived from [the original](#) on April 18, 2018. Retrieved April 18, 2018.
106. ^ ["Las Vegas Lights FC"](#). www.lasvegaslightsfc.com. Archived from the original on May 1, 2018. Retrieved October 24, 2018.
107. ^ ["Home"](#). United Soccer League. Archived from the original on November 8, 2018. Retrieved October 24, 2018.
108. ^ ["UFC Apex Officially Opens in Las Vegas"](#). UFC.com. June 18, 2019. Archived from the original on April 16, 2021. Retrieved April 15, 2021.
109. ^ <https://www.lvms.com/> <sup>[bare URL]</sup>
110. ^ [City of Las Vegas Vision Zero Program: Guiding Principles for Safe Access to City of Las Vegas Parks](#). (July 8, 2024). City of Las Vegas, p. 1–2. Archived from the original on March 8, 2025
111. ^ ["Find Parks and Facilities"](#). City of Las Vegas. Archived from [the original](#) on January 9, 2015. Retrieved January 10, 2015.



112. ^ **a b** Hager, Justin (May 23, 2024). *"Unravelling the Tapestry of Local Governments in Southern Nevada"*. *Las Vegas Weekly*. Archived from the original on May 27, 2024 . Retrieved December 22, 2024.
113. ^ § 2.030 Mayor: Duties; Mayor pro tempore; duties." Article II, *Las Vegas City Charter* in Chapter 517, *Statutes of Nevada* 1983. Archived from the original on January 8, 2013.
114. ^ **a b** § 3.030 City Manager: Appointment; duties; salary. Article III, Executive Department, *Las Vegas City Charter* in Chapter 517, *Statutes of Nevada*, 1983. Archived from the original on January 8, 2013.
115. ^ *"Quickfacts: 2020"*. *United States Census Bureau*. 2020. Archived from the original on December 22, 2024. Retrieved December 22, 2024.
116. ^ Moss, Teresa (July 17, 2023). *"Metro Turns 50: From Rumors of Fistfights at Merger to a World-Class Agency"*. *Las Vegas Sun*. Archived from the original on July 19, 2023. Retrieved December 22, 2024.
117. ^ *"Nevada Sheriffs and Chiefs"*. Department of Public Safety: *Nevada State Police*. State of Nevada. Archived from the original on July 26, 2024. Retrieved December 22, 2024.
118. ^ Goldberg, Delen (July 20, 2015). *"Las Vegas' smallest sovereign nation"*. *Las Vegas Sun*. Archived from the original on July 20, 2015.
119. ^ *"History"*. Las Vegas Paiute Tribe. Archived from the original on December 23, 2024.
120. ^ *"Nuwuvi, The Southern Paiute, Caretakers of this Earth"*. Nevada's Indian Territory. Archived from the original on May 26, 2024.
121. ^ *"Lloyd D. George U.S. Courthouse"*. U.S. General Services Administration. Retrieved January 12, 2025.
122. ^ *"Visting the Regional Justice Center"*. Las Vegas Township Justice Court. Archived from the original on June 20, 2024. Retrieved January 12, 2025.
123. ^ *"Las Vegas Mayor Shelley Berkley sworn into office; envisions future of prosperity for the city"*. *8NewsNow*. December 4, 2024. Archived from the original on December 8, 2024. Retrieved December 9, 2024.
124. ^ *"Brian Knudsen"*. *LGBTQ Victory Fund*. Archived from the original on July 20, 2019. Retrieved July 20, 2019.
125. ^ **a b c** Wilson, Miranda (July 3, 2019). *"Diverse new members sworn in to Las Vegas City Council"*. *Las Vegas Sun*. Archived from the original on July 20, 2019. Retrieved July 20, 2019.
126. ^ Willson, Miranda (June 11, 2019). *"Knudsen, Diaz and Seaman win races, reshaping the Las Vegas City Council"*. *Las Vegas Sun*. Archived from the original on July 20, 2019. Retrieved July 20, 2019.

127. ^ Valley, Jackie (June 11, 2019). *"Diaz, Knudsen and Seaman to join Las Vegas City Council after winning municipal races"*. *The Nevada Independent*. Archived from the original on July 20, 2019. Retrieved July 20, 2019.
128. ^ *"Shondra Summers-Armstrong"*. Ballotpedia. Archived from the original on August 24, 2023. Retrieved December 9, 2024.
129. ^ *"DRA 2020"*. Daves Redistricting. Retrieved March 13, 2025.
130. ^ N.R.S. § 386.010 *"Creation; power to sue."* (1971). In *Chapter 386: Local Administrative Organization*. Archived from the original August 17, 2000. "County school districts, the boundaries of which are conterminous with the boundaries of the counties of the State, are hereby created. The Carson City School District shall be considered as a county school district. Each county school district created by this chapter is hereby declared to be a political subdivision of the State of Nevada whose purpose is to administer the state system of public education. Each school district shall have the power to sue and may be sued. [47:32:1956]—(NRS A 1967, 37; 1969, 336; 1971, 517)"
131. ^ *"Our Institutions"*. *Nevada System of Higher Education*. Retrieved March 8, 2025.
132. ^ Garcia, Abel (April 18, 2024). *"UNLV's School of Medicine taking steps to fill physician shortage in Nevada"*. *KTNV ABC 13*. Archived from the original on April 19, 2024.
133. ^ Jacob, Matt (November 29, 2018). *"How Nevada Finally Got a Law School | University of Nevada, Las Vegas"*. News Center. *University of Nevada, Las Vegas*. Retrieved March 8, 2025.
134. ^ *"About the Desert Research Institute"*. *Desert Research Institute*. *Nevada System of Higher Education*. Retrieved March 8, 2025.
135. ^ *"About Us"*. *College of Southern Nevada*. Retrieved March 8, 2025.
136. ^ *"Biggest Community Colleges"*. *Campus Explorer*. October 12, 2021. Retrieved March 8, 2025.
137. ^ *"About Nevada Public Radio"*. *Nevada Public Radio*. Retrieved March 8, 2025.
138. ^ *"Charleston Campus"*. *College of Southern Nevada*. Retrieved March 8, 2025.
139. ^ Moody, Josh. *"5 Questions for the President of Touro University"*. *Inside Higher Ed*. Retrieved March 8, 2025.
140. ^ *"Colleges in Las Vegas"*. *Appily*. Retrieved March 8, 2025.
141. ^ Scheid, Jenny. *"New presses are the worlds's largest"*. *Las Vegas Review-Journal*. Retrieved August 6, 2018.
142. ^ Yang, Nu; Ruiz, Jesus. *"10 Newspapers That Do It Right 2018: Recognizing Success in Pioneering Newsrooms, Advertising Growth and Community Engagement"*. *Editor & Publisher*. Archived from the original on August 16, 2018. Retrieved December 18, 2020.

143. ^ [Blinder, Robin \(March 1, 2022\). "10 news publishers that do it right". \*Editor & Publisher\*. Archived from the original on August 27, 2022. Retrieved September 4, 2022.](#)
144. ^ [Rainey, James. "Sleeping with the enemy newspaper". \*Los Angeles Times\*. p. E1. Archived from the original on August 11, 2019. Retrieved March 8, 2006.](#)
145. ^ ["2009 Pulitzer Prizes for Journalism". \*The New York Times\*. April 20, 2009. ISSN 0362-4331. Archived from the original on April 20, 2019. Retrieved March 8, 2025.](#)
146. ^ ["2009 Pulitzer Prizes — Journalism". \*The Pulitzer Prizes\*. Retrieved March 8, 2025.](#)
147. ^ ["Nevada Tables". \*American Intercity Bus Riders Association\*. Archived from the original on April 26, 2015. Retrieved July 23, 2016.](#)
148. ^ ["California-Train and Thruway service" \(PDF\). \*Amtrak\*. Archived \(PDF\) from the original on August 13, 2012. Retrieved June 18, 2013.](#)
149. ^ [Seeman, Matthew \(February 11, 2025\). "Construction on Brightline West high-speed train expected to begin soon". \*KSNV\*. Archived from the original on February 11, 2025.](#)
150. ^ [Radke, Brock \(July 18, 2024\). "At 20 years old, the Las Vegas Monorail is seeing increased usage and pondering its future". \*Las Vegas Weekly\*. Archived from the original on January 30, 2025.](#)
151. ^ ["Laughlin Express Flyer" \(PDF\). \*Southern Nevada Transit Coalition\*. Archived \(PDF\) from the original on May 7, 2022. Retrieved April 11, 2022.](#)
152. ^ ["Mesquite Express Brochure" \(PDF\). \*Southern Nevada Transit Coalition\*. Archived \(PDF\) from the original on April 16, 2021. Retrieved April 11, 2022.](#)
153. ^ ["Sandy Valley & Goodsprings Express route" \(PDF\). \*Southern Nevada Transit Coalition\*. Archived \(PDF\) from the original on April 18, 2022. Retrieved April 11, 2022.](#)
154. ^ [Green, Steve \(August 17, 2011\). "Lawsuit prompts RTC to drop 'ACE' name from bus lines". \*Las Vegas Sun\*. Archived from the original on December 9, 2010. Retrieved March 1, 2011.](#)
155. ^ ["Means of Transportation to Work by Age". \*Census Reporter\*. Archived from the original on May 7, 2018. Retrieved May 6, 2018.](#)
156. ^ Most [arterial roads](#) are shown, as indicated on the [Nevada Department of Transportation's Roadway functional classification: Las Vegas urbanized area map Archived April 4, 2012, at the Wayback Machine](#). Retrieved November 12, 2011.

## Further reading










[\[edit\]](#)

- Brigham, Jay. "Review: 'Reno, Las Vegas, and the Strip: A Tale of Three Cities'." *Western Historical Quarterly* 46.4 (2015): 529–530. [JSTOR westhistquar.46.4.0529](#).
- Chung, Su Kim (2012). *Las Vegas Then and Now*, Holt: Thunder Bay Press, [ISBN 978-1-60710-582-4](#)
- Moehring, Eugene P. *Resort City in the Sunbelt: Las Vegas, 1930–2000* (2000).
- Moehring, Eugene, "The Urban Impact: Towns and Cities in Nevada's History," *Nevada Historical Society Quarterly* 57 (Fall/Winter 2014): 177–200.
- Rowley, Rex J. *Everyday Las Vegas: Local Life in a Tourist Town* (2013)
- Stierli, Martino (2013). *Las Vegas in the Rearview Mirror: The City in Theory, Photography, and Film*, Los Angeles: Getty Publications, [ISBN 978-1-60606-137-4](#)
- Venturi, Robert (1972). *Learning from Las Vegas: The Forgotten Symbolism of Architectural Form*, Cambridge: MIT Press, [ISBN 978-0-26272-006-9](#)



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-  [Travel information](#) from Wikivoyage
- [Official website](#)  [Edit this at Wikidata](#)
- ["The Making of Las Vegas"](#) [\[dead link\]](#) (historical timeline)
- [Geologic tour guide of the Las Vegas area](#) from [American Geological Institute](#)
- [National Weather Service Forecast – Las Vegas, NV](#)

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-  [Cities](#)
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City of Las Vegas

- Las Vegas–Paradise, NV MSA
- State of Nevada

- Architecture
- Flag
- History
- Timeline
- Landmarks
- Skyscrapers
- Sports
- Transportation

**Flag of Las Vegas**  
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Municipalities and communities of **Clark County, Nevada**, United States

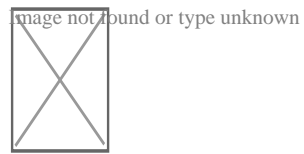
County seat: **Las Vegas**

## Cities

- Boulder City
- Henderson
- Las Vegas
- Mesquite
- North Las Vegas

## CDPs

- Blue Diamond
- Bunkerville
- Cal-Nev-Ari
- Enterprise
- Goodsprings
- Indian Springs
- Laughlin
- Moapa
- Moapa Valley
- Mount Charleston
- Nellis AFB
- Nelson
- Paradise
- Sandy Valley
- Searchlight
- Spring Valley
- Summerlin South
- Sunrise Manor
- Whitney
- Winchester



Clark  
County  
map

**Unincorporated  
communities**

- Centennial Hills
- Cold Creek
- Corn Creek
- Crescent
- Glendale
- Jean
- Las Vegas Chinatown
- Lone Mountain
- Logandale
- Lower Kyle Canyon
- Mountain Springs
- Overton
- Palm Gardens
- Primm
- Riverside
- Sloan
- Summerlin
- Stewarts Point
- Trout Canyon



## **Ghost towns**

- Arden
- Bard
- Bonelli's Ferry
- Borax
- Buster Falls
- Byron
- Cactus Springs
- Callville
- Colorado City
- Crystal
- Dike
- Dry Lake
- El Dorado City
- Erie
- Gold Butte
- Louisville
- Lovell
- Lucky Jim Camp
- Nelson's Landing
- Owens
- Potosi
- Quartette
- Rioville
- Roach
- Saint Joseph
- Solar
- St. Thomas
- San Juan
- Simonsville
- Stone's Ferry
- Valley
- Wann

**Indian  
reservations**

- Fort Mojave Indian Reservation
- Las Vegas Indian Colony
- Moapa River Indian Reservation

**Proposed  
communities**

- Coyote Springs
- Blue Diamond Hill housing proposals

**Footnotes**

This populated place also has portions in an adjacent county or counties

- Nevada portal
- United States portal

- **v**
- **t**
- **e**

Las Vegas Valley

- Las Vegas MSA
- State of Nevada

**LV**  
**Transportation**

- **Airports**
  - Harry Reid International Airport
  - North Las Vegas Airport
  - Henderson Executive Airport
  - Southern Nevada Supplemental Airport (planned)
- Brightline West (planned)
- Brightline West station (planned)
- Las Vegas Monorail
- RTC Transit
- Silver Rider Transit
- Resort trams
- Loop
- Amtrak station (defunct)

- 18b The Las Vegas Arts District
- Southern Nevada Zoological-Botanical Park
- Symphony Park
  - Smith Center for the Performing Arts
- Huntridge Theater
- Lance Burton Theatre
- Las Vegas Little Theater
- Majestic Repertory Theatre
- Smith Center for the Performing Arts
- PH Live

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### Museums in Clark County, Nevada

#### Arts and museums

#### Active

- Bellagio Gallery of Fine Art
- Boulder City/Hoover Dam Museum
- Burlesque Hall of Fame
- Clark County Museum
- Discovery Children's Museum
- Erotic Heritage Museum
- Howard W. Cannon Aviation Museum
- Imperial Palace Auto Collection
- Las Vegas Gambling Museum
- Las Vegas Historical Society
- Las Vegas Natural History Museum
- Lost City Museum
- Madame Tussauds Las Vegas
- Marjorie Barrick Museum of Art
- Mob Museum
- National Atomic Testing Museum
- Neon Museum
- Nevada State Museum
- Nevada Southern Railroad Museum
- Old Las Vegas Mormon Fort State Historic Park
- P. D. 'N' L. 'S. 'F.

## **Sports**

- Allegiant Stadium
- Bettye Wilson Soccer Complex
- Cashman Field
- City National Arena
- Darling Tennis Center
- Las Vegas Motor Speedway
- Las Vegas Ballpark
- Mandalay Bay Events Center
- MGM Grand Garden Arena
- New Las Vegas Stadium
- Sam Boyd Stadium
- Sphere
- T-Mobile Arena
- Thomas & Mack Center

## **Government**

- Las Vegas City Hall
- Clark County Government Center
- Lloyd D. George Federal Courthouse
- Las Vegas Metropolitan Police Department
- Clark County Coroner's Office

<div>Cities</div>	<ul style="list-style-type: none"> <li>Henderson</li> <li>Las Vegas</li> <li>North Las Vegas</li> </ul>
<div>Census-designated places</div>	<ul style="list-style-type: none"> <li>Blue Diamond</li> <li>Enterprise</li> <li>Paradise</li> <li>Spring Valley</li> <li>Summerlin South</li> <li>Sunrise Manor</li> <li>Whitney</li> <li>Winchester</li> </ul>
<div>Communities</div> <div>Neighborhoods</div>	<ul style="list-style-type: none"> <li>Aliante</li> <li>Anthem/Anthem Country Club</li> <li>Centennial Hills</li> <li>Chinatown</li> <li>Downtown Las Vegas</li> <li>Green Valley</li> <li>Lake Las Vegas</li> <li>Las Vegas Country Club</li> <li>MacDonald Highlands</li> <li>Mountain's Edge</li> <li>Paradise Palms</li> <li>Queensridge/One Queensridge Place</li> <li>Rhodes Ranch</li> <li>Seven Hills</li> <li>Southern Highlands</li> <li>Summerlin</li> <li>Summerlin South</li> <li>The Lakes</li> <li>The Ridges</li> <li>Tuscany Village</li> <li>West Las Vegas</li> </ul>

**Research  
and education**

- University of Nevada, Las Vegas
- Nevada State University
- National University
- Touro University Nevada
- College of Southern Nevada
- Roseman University of Health Sciences

**Parks and  
public spaces**

- Acacia Demonstration Gardens
- Clark County Shooting Complex
- Clark County Wetlands Park
- Floyd Lamb Park at Tule Springs
- Lake Mead National Recreation Area
- Springs Preserve
- Mount Charleston
- Red Rock Canyon National Conservation Area
- Spring Mountains National Recreation Area
- Sunset Park
- Tule Springs Fossil Beds National Monument
- Valley of Fire State Park



- 63 CityCenter
- Blvd
- Bonanza Gift Shop
- The Boulevard Mall
- The Shops at Crystals
- Downtown Container Park
- Downtown Summerlin
- Galleria at Sunset
- Grand Canal Shoppes
- Fashion Show Mall
- The Forum Shops at Caesars
- Las Vegas Premium Outlets North
- Meadows Mall
- Miracle Mile Shops
- Stratosphere Tower Shops
- The Shoppes at the Palazzo
- Tivoli Village
- Town Square
- Water Street District

## Area shopping

- Architecture
- History
- Timeline
- Landmarks
- Skyscrapers
- Las Vegas Strip
- Restaurants
- Michelin-starred restaurants
- Condominiums
- 1999 flood

## Other

-  **Category**
-  **WikiProject**

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- **e**

## State of Nevada

### Carson City (capital)

#### Topics

- Index
- Geography
- Government
  - Delegations
- History
  - Nevada Territory
  - World War II
- People
- Symbols
- Tourist attractions
- Transportation
- Fauna

#### Society

- Abortion
- Culture
- Crime
- Demographics
  - Hispanics and Latinos
  - Native Americans
- Economy
- Education
- Elections
- Gun laws
- LGBT rights
- Politics

## Regions

- Black Rock Desert
- Eagle Valley
- Great Basin
- Lake Mead
- Lake Tahoe
- Las Vegas Valley
- Mojave Desert
- Pahrnagat Valley
- Sierra Nevada
- Trout Creek Mountains
- Truckee Meadows

## Metro areas

- Las Vegas
- Reno

## Counties

- Churchill
- Clark
- Douglas
- Elko
- Esmeralda
- Eureka
- Humboldt
- Lander
- Lincoln
- Lyon
- Mineral
- Nye
- Pershing
- Storey
- Washoe
- White Pine

**Cities and  
communities**

- Alamo
- Amargosa Valley
- Austin
- Baker
- Battle Mountain
- Beatty
- Boulder City
- Caliente
- Carlin
- Carson City
- Elko
- Ely
- Enterprise
- Eureka
- Fallon
- Fernley
- Gardnerville Ranchos
- Gerlach
- Goldfield
- Hawthorne
- Henderson
- Incline Village
- Las Vegas
- Laughlin
- Lovelock
- Mesquite
- Minden
- North Las Vegas
- Panaca
- Pahrump
- Paradise
- Pioche
- Primm
- Rachel
- Reno
- Spanish Springs
- Sparks

- Bullfrog
  - Ormsby
  - Roop
- Former counties**

**Nevada portal**  
Image: Nevada portal, unknown  
flag

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Southern California megaregion

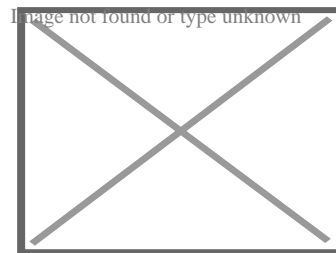
Metropolitan areas and cities in *italics* are located outside of California

## Metropolitan Los Angeles

- Major cities: Los Angeles
- Long Beach
- Anaheim
- Santa Ana
- Santa Clarita
- Irvine
- Glendale
- Huntington Beach
- Garden Grove

## Inland Empire

- Major cities: San Bernardino
- Riverside
- Fontana
- Moreno Valley
- Ontario
- Rancho Cucamonga
- Corona



## San Diego–Tijuana

- Major cities: San Diego
- *Tijuana*
- Chula Vista
- Oceanside
- Escondido
- *Rosarito*

## Central Coast

- Major cities: Santa Barbara
- Santa Maria
- San Luis Obispo

## Las Vegas Valley

- Major cities: Las Vegas
- Henderson
- North Las Vegas

Megapolitan areas of California

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- **t**
- **e**

County seats and independent city of Nevada

	<ul style="list-style-type: none"><li>○ Battle Mountain</li><li>○ Elko</li><li>○ Ely</li><li>○ Eureka</li><li>○ Fallon</li><li>○ Goldfield</li><li>○ Hawthorne</li><li>○ Las Vegas</li><li>○ Lovelock</li><li>○ Minden</li><li>○ Pioche</li><li>○ Reno</li><li>○ Tonopah</li><li>○ Virginia City</li><li>○ Winnemucca</li><li>○ Yerington</li></ul>
County seats	

Independent city	<ul style="list-style-type: none"><li>○ Carson City</li></ul>
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- **t**
- **e**

The 100 most populous cities of the United States





- |                                  |                                   |                                 |                                      |
|----------------------------------|-----------------------------------|---------------------------------|--------------------------------------|
| 1. New York,<br>New York         | 26. Detroit,<br>Michigan          | 51. Aurora,<br>Colorado         | 76. Gilbert,<br>Arizona              |
| 2. Los Angeles,<br>California    | 27. Louisville,<br>Kentucky       | 52. Wichita,<br>Kansas          | 77. Madison,<br>Wisconsin            |
| 3. Chicago,<br>Illinois          | 28. Portland,<br>Oregon           | 53. Cleveland,<br>Ohio          | 78. Reno,<br>Nevada                  |
| 4. Houston,<br>Texas             | 29. Memphis,<br>Tennessee         | 54. New Orleans,<br>Louisiana   | 79. Chandler,<br>Arizona             |
| 5. Phoenix,<br>Arizona           | 30. Baltimore,<br>Maryland        | 55. Henderson,<br>Nevada        | 80. St. Louis,<br>Missouri           |
| 6. Philadelphia,<br>Pennsylvania | 31. Milwaukee,<br>Wisconsin       | 56. Honolulu,<br>Hawaii         | 81. Chula Vista,<br>California       |
| 7. San Antonio,<br>Texas         | 32. Albuquerque,<br>New Mexico    | 57. Anaheim,<br>California      | 82. Buffalo,<br>New York             |
| 8. San Diego,<br>California      | 33. Tucson,<br>Arizona            | 58. Orlando,<br>Florida         | 83. Fort Wayne,<br>Indiana           |
| 9. Dallas, Texas                 | 34. Fresno,<br>California         | 59. Lexington,<br>Kentucky      | 84. Lubbock,<br>Texas                |
| 10. Jacksonville,<br>Florida     | 35. Sacramento,<br>California     | 60. Stockton,<br>California     | 85. St.<br>Petersburg,<br>Florida    |
| 11. Fort Worth,<br>Texas         | 36. Atlanta,<br>Georgia           | 61. Riverside,<br>California    | 86. Toledo, Ohio                     |
| 12. San Jose,<br>California      | 37. Mesa,<br>Arizona              | 62. Irvine,<br>California       | 87. Laredo,<br>Texas                 |
| 13. Austin, Texas                | 38. Kansas City,<br>Missouri      | 63. Corpus Christi,<br>Texas    | 88. Port St.<br>Lucie,<br>Florida    |
| 14. Charlotte,<br>North Carolina | 39. Raleigh,<br>North Carolina    | 64. Newark,<br>New Jersey       | 89. Glendale,<br>Arizona             |
| 15. Columbus,<br>Ohio            | 40. Colorado Springs,<br>Colorado | 65. Santa Ana,<br>California    | 90. Irving, Texas                    |
| 16. Indianapolis,<br>Indiana     | 41. Omaha,<br>Nebraska            | 66. Cincinnati,<br>Ohio         | 91. Winston-Salem,<br>North Carolina |
| 17. San Francisco,<br>California | 42. Miami,<br>Florida             | 67. Pittsburgh,<br>Pennsylvania | 92. Chesapeake,<br>Virginia          |
| 18. Seattle,<br>Washington       | 43. Virginia                      | 68. Saint Paul,                 | 93. Garland,                         |

Cities ranked by [United States Census Bureau](#) population estimates for July 1, 2024.

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- [VIAF](#)
- [FAST](#)
- [WorldCat](#)

**National**

- [Germany](#)
- [United States](#)
- [France](#)
- [BnF data](#)
- [Japan](#)
- [Czech Republic](#)
- [Spain](#)
- [Croatia](#)
- [Chile](#)
- [Argentina](#)
- [Israel](#)

**Geographic**

- [MusicBrainz area](#)

**Other**

- [IdRef](#)
- [NARA](#)

About Rock N Block – Turf N Hardscapes

Driving Directions in

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**Driving Directions From 36.161101469679, -115.24023784407 to**

**Driving Directions From 36.204048406654, -115.07060892966 to**

**Driving Directions From 36.059845804985, -115.11051197402 to**

**Driving Directions From 36.217321549587, -115.03096451151 to**

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