



CITY OF HENDERSON HERITAGE PARK AQUATIC CENTER HENDERSON, NV

86% of construction waste recycled

48% less energy consumed than a typical aquatic facility

43% water savings over EPA-1992

LEED® Facts

City of Henderson
Heritage Park Aquatic Center
Henderson, NV

LEED for New Construction
Certification awarded September 25, 2011

Gold 45*

Sustainable Sites 8/14

Water Efficiency 3/5

Energy & Atmosphere 12/17

Materials & Resources 7/13

Indoor Environmental Quality 11/15

Innovation & Design 4/5

*Out of a possible 69 points

The information provided is based on that stated in the LEED® project certification submittals. USGBC and Chapters do not warrant or represent the accuracy of this information. Each building's actual performance is based on its unique design, construction, operation, and maintenance. Energy efficiency and sustainable results will vary.

City of Henderson Heritage Park Aquatic Complex

Performance by Design

State of the art facility provides a new aquatic center for all ages

"The Heritage Park Aquatic Complex is a beautiful facility that not only meets a much needed recreation requirement on the east side of our city, but it truly exceeds the expectations of what a pool facility can be. The numerous sustainable elements, from the plentiful natural daylighting to the geothermal ground source system, make this facility one of the most forward-thinking buildings of its kind across our nation."

Mark Hobaica, AIA
City Architect, City of Henderson

PROJECT BACKGROUND

Heritage Park is a 160-acre master-planned park in Henderson. The Senior Facility and Aquatic Complex are part of Phase I, completed in January 2010. The previous indoor competition pool had been closed and demolished in 2006, and there was a need for a new pool for use by competitive teams and schools, and the senior population desired a therapy pool close to their new facility.

Heritage Park Aquatic Complex features two indoor pools and is open year round to serve people in the community of all ages. The competitive/lap pool has fourteen 25-yard lanes and a depth ranging from 3.5 feet to 13 feet. The pool is designed to meet U. S. Swimming and Nevada Interscholastic Athletics Association (NIAA) standards as well as diving, synchronized swimming and water polo standards. It is designed for competitive use at all levels and also serves Clark County School District high school swim teams.

A second warm water pool includes four 25-yard lanes and ranges in depth up to 4 feet. It is equipped with stair entries, seating/teaching shelf, and ramp entry, making it ideal for instructional and therapeutic needs.

Additional amenities of the aquatic facility include: ADA accessible lifts, classrooms, four family lockers rooms, timing and scoring systems, shallow lanes for water walking, spectator seating for 600 and two sets of full locker rooms for facility users.

DESIGN STRATEGIES

As the City of Henderson planned the new Heritage Park Complex, various sustainable design strategies were implemented, a few of these strategies are:

- Site orientation on a north-south axis to optimize solar heat reduction.
- Deep roof overhangs to maximize shade during peak solar hours.
- Pervious concrete pavers to reduce run-off and promote on-site infiltration.
- Installation of low VOC flooring, paint, adhesives and sealants
- Use of regional materials
- Drought-tolerant landscaping
- Energy-star appliances and high - efficiency or sensoried plumbing fixtures installed

ABOUT THE CITY OF HENDERSON

Officially incorporated in 1953 and chartered in 1965, the city of Henderson has developed into a community with premier services, amenities, and opportunities.

As the largest full-service city in the state of Nevada, Henderson is nationally recognized for accredited departments – Building & Fire Safety, Fire, Police, and Parks and Recreation– and award winning services including the Development Services Center. In addition, the city has continued to be fiscal stewards by maintaining one of the lowest tax rates and becoming the first to achieve the highest bond rating of any other Nevada municipality. Visit one of our many city departments to discover why Henderson is known as a place to call home.



Architect: SH Architecture
Owner: City of Henderson
Contractor: Rafael Construction
Structural Engineers: Mendenhall Smith
Civil Engineer: Per4mance Engineering
MEP Engineer: MSA Engineering
Commissioning Agent: Dynamic Commissioning Solutions, Inc "DCSi"
Landscape Architect: JW Zunino & Associates
LEED Consultant: The Weidt Group
Photographer: mphoto 7
Project Size: 43,804 SF

ABOUT LEED

The LEED® Green Building Rating System™ is the national benchmark for the design, construction, and operations of high-performance green buildings. Visit the U.S. Green Building Council's website at www.usgbc.org to learn more about LEED and green building.



www.usgbcnv.org
702 991-9904