



# GREEN BUILDING FACT SHEET

## WHAT MAKES HAPPY HOLLOW GREEN?

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**BUILDING LOCATION & COMMUNITY IMPACT**—Happy Hollow models many principles of environmental preservation and conservation. Green roofs on seven buildings create over 16,000 square feet of native plant habitat for wildlife. Instead of flowing directly into neighboring Coyote Creek, rainwater is channeled from pavement into swales that percolate it into the ground. Bike paths and trails, access via public transit, and dedicated parking for alternative fuel vehicles encourage low emission modes of travel to Happy Hollow.
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**WATER EFFICIENCY**—Happy Hollow’s high-efficiency drip irrigation system runs on recycled water from the City of San José, reducing water usage by 50 percent less than a conventional building. Low-flow toilets electronic sensors cut drinking water use by 30 percent.
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**ENERGY & EMISSIONS**—Clerestory windows that bring natural light and air into the buildings coupled with radiant floor heating and cooling systems help reduce Happy Hollow’s energy costs by 20 percent compared to conventional buildings. The green roofs provide insulation that also reduces the need for heating and cooling.
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**MATERIALS & WASTE**—Twenty percent of the building materials used for Happy Hollow were manufactured within 500 miles of San José. Ten percent of the total weight of all building materials consist of recycled materials.
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**HEALTH & SAFETY**—No- and low-VOC (volatile organic compound) emitting finishes and paints were chosen for building interiors. Individual occupants can control temperature, ventilation, and natural lighting in buildings. This creates more productive, comfortable and healthier indoor environments for teaching and learning.

## BUILDING PROFILE

Happy Hollow Park & Zoo has offered conservation-centered outdoor adventure for the whole family since its opening in 1961. It is the first amusement park and zoo to earn LEED® Gold certification for its four acre expansion which includes new buildings, rides and exhibits.

**FUNCTION:** Animal exhibits, amusement park rides, family entertainment and environmental education programs.

**BUILDING SIZE:** 23,340 square feet, multiple buildings

**OPENING DATE:** March 20, 2010

**CERTIFICATION:** LEED® Gold, June 2010

**ARCHITECTS:** The Portico Group with F+A Architects & Wyatt Design Group, Inc.

**CONTRACTOR:** West Bay Builders, Inc.

**PROJECT MANAGEMENT:** San José Department of Public Works

**FUNDING SOURCES:** Measure P Park Bond, Construction and Conveyance Tax Fund, Paul Chaffee Grant



## LEED SCORECARD\*

CATEGORY	POINTS EARNED
Sustainable Sites	8
Water Efficiency	4
Energy & Atmosphere	7
Materials & Resources	6
Indoor Environmental Quality	9
Innovation & Design Process	5
<b>TOTAL</b>	<b>39</b>

\* LEED for New Construction v2.1. Certification Thresholds: Certified: 26-32 points, Silver: 33-38 points, Gold: 39-51 points, Platinum: 52-69 points [www.usgbc.org](http://www.usgbc.org)

## SAN JOSE’S GREEN VISION IN ACTION

LEED certification of the Happy Hollow Park & Zoo contributes to achieving the San José Green Vision goal to build or retrofit 50 million square feet of green buildings by 2022. It supports additional Green Vision goals related to energy and water efficiency, recycled water use and waste reduction. San José policies promote green building practices to reduce the impact of the built environment on global climate change. [www.sanjoseca.gov/greenvision](http://www.sanjoseca.gov/greenvision)



## EXPLORE GREEN FEATURES AT HAPPY HOLLOW PARK & ZOO



Happy Hollow's interactive animal (left), insect, green building and other demonstration displays offer a multisensory environmental education experience. Seven green roofs, like this one on the Learning Lodge (right) provide habitat for wildlife. The window in the wall and leaf shaped sign explain hay bale wall construction.



No-mow grass is planted beneath the Pacific Fruit Express Roller Coaster. This drought tolerant, low-maintenance grass filters rainwater collected from surrounding pavement before it is absorbed into the soil.

### AWARDS

- 2011 Project of the Year from the American Public Works Association-Silicon Valley Chapter
- 2010 (June) "Best Outdoor Play Area for Kids" Readers' Winner from the San Jose Mercury News
- 2010 American Graphic Design Award from Graphic Design USA
- 2010 Award of Excellence from the California Parks & Recreation Society for the "Open for New Memories" Campaign
- 2010 "Favorite Place on Google"
- 2009 Green Project of the Year from the Silicon Valley/ San José Business Journal



Salvaged blue and green glass bottles were crushed to create the pavement design at the entrance gate.



### MORE INFORMATION & CONTACTS

#### Happy Hollow Park & Zoo

1300 Senter Road  
San José, CA 95112  
408-794-6400  
[www.hhpz.org](http://www.hhpz.org)

#### Municipal Green Building Program

408-535-8550

[www.sanjoseca.gov/esd/greenbuilding](http://www.sanjoseca.gov/esd/greenbuilding)

