

LEED PROJECT PROFILE



PURINA EVENT CENTER GRAY SUMMIT, MO

92% of all waste diverted from landfills

37% of materials composed of recycled content

100% of wastewater naturally treated onsite

LEED® Facts

Purina Event Center
Gray Summit, Missouri

LEED for NC
Certification awarded Nov. 1, 2011

Silver 36*

Sustainable Sites 7/14

Water Efficiency 3/5

Energy & Atmosphere 5/17

Materials & Resources 6/13

Indoor Environmental Quality 10/15

Innovation & Design 5/5

**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.



PURINA EVENT CENTER

Dog Friendly Meets Earth Friendly

St. Louis Company makes Sustainable Commitment

PROJECT BACKGROUND

The Purina Event Center began as a vision of the Director, Brock Fitzgerald, over 15 years ago. Purina has hosted outdoor dog shows & sporting events for since 1995 at Purina Farms in Gray Summit, MO, a 300+ acre destination for conformation show & dog performance events. As the popularity of these events grew, the need for an indoor facility with top of the line amenities became more obvious.

In 2006, the vision started to become a reality as Nestle Purina PetCare decided to move forward with procuring a project team for the Event Center. Nestle Purina PetCare prides itself on its commitment to animals and this facility is a contribution to the fancy community, to help promote the sport of purebred dogs.

When it opened in August 2010, the 84,000 SF facility became the only one of its kind in the country. In addition to many specific amenities, the facility includes two large show arenas, a café, hospitality lounge and 300 seat banquet hall. The Event Center not only functions efficiently, it also enhances the lives of the dogs and people who utilize the space.

STRATEGIES AND RESULTS

The existing site has four wastewater lagoons. The development will treat 100% of the wastewater generated on site via a system of stabilization lagoons and a land application system. These natural lagoons will filter wastes naturally, and this water will be used to irrigate nearby fields. In addition, the entire 2,859,056 SF (LEED boundary) site was conserved & protected during construction.

A majority of roof top and paving surfaces installed are reflective both to avoid heat gain and to make surfaces more comfortable for dog paws to walk on. The landscape palette includes local & native grasses and flora. The irrigation system is connected to a below grade well to avoid using potable plumbing for irrigation. All toilets and urinals installed are low flow to conserve as much water as possible, resulting in over 40% reduction in water use from the baseline case.

Multiple strategies were used to accomplish an 18% energy savings including the use of Insulated Glazing and Insulated Metal Sandwich panels to make the building envelope more efficient. The Heating and Cooling equipment consists of Evaporative Cooled Rooftop units and Water Cooled Self Contained Units served by a remote cooling tower. These systems use the heat transfer properties of water to provide cooling more efficiently than standard air cooled HVAC equipment. High Volume Low Velocity fans (Big Ass fans) are also utilized to provide a constant breeze to the occupants keeping them comfortable at higher indoor temperatures reducing the amount of mechanical cooling required.

ABOUT NESTLE PURINA PETCARE COMPANY

Nestlé Purina PetCare, a global leader in the pet care industry, promotes responsible pet care, humane education, community involvement and the positive bond between people and their pets. Part of Swiss-based Nestlé S.A., the world's largest food company, Nestlé Purina PetCare's North American headquarters is located at Checkerboard Square in St. Louis, MO.

At Nestlé Purina PetCare Company, we're passionately committed to creating a better world for pets and their owners, now and for generations to come. Over the course of our rich 100-plus-year history, Purina® has come to stand for passion, expertise and trust. It is these values that will drive our mission over our *next* 100 years.

Purina envisioned a significant, state-of-the-art event center with 'Best in Class' amenities that would epitomize our passion for dogs and cats and our steadfast commitment to the fancy."

Candy Caciolo

Nestle Purina Portfolio Director, Specialty, Breeder and Pet Acquisition



Architect, Landscape, & Interior Architect: Arcturus

Owner: Nestle Purina PetCare Company

General Contractor: Landco Construction

Commissioning Agent: McClure Engineering

Structural Engineer: Larson Engineering

Civil Engineer: Frontenac Engineering

MEP Engineer: Murphy Co. & Sachs Electric

Photographs Courtesy of: Debbie Franke

About USGBC-Missouri Gateway Chapter

USGBC is the nation's foremost coalition of leaders from across the building industry. Missouri Gateway Chapter members represent all segments of the building industry and work together to promote buildings that are environmentally responsible, profitable, and healthy places to live and work.



Missouri Gateway
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