

Vegas PBS – Distance Learning Center, Las Vegas, NV

Description of Project

The 112,000-square-foot building is home to Vegas PBS' operations, production services and emergency alert efforts. Additionally, the building houses the Clark County School District's (CCSD) Virtual High School facilities, which focus on distance online education. The building was funded through a private/public partnership. Las Vegas contractors Martin-Harris Construction oversaw construction of the project located at Flamingo and McLeod. Specifications and LEED™ Consulting to JMA, Las Vegas, NV



Obstacles Overcome

This is the first television building in the United States to receive LEED Gold status. Planning for the Educational Technology Campus began in 1999 following the Federal Communications Commission's order to transition to digital broadcasting. During the planning process the Owner saw that a green, eco-friendly design would be a necessary component to ensure the building had low operating costs and respected the desert environment of the Las Vegas region. The design team set out to create an environmentally efficient project by applying "best practices" recommended by leading standards organizations.

Benefits Provided

The eco-friendly Educational Technology Campus showcases a variety of green technologies, including the largest rooftop installation of solar panels in the state of Nevada and a geothermal /ground source heat pump cooling system using 202 wells that average 425 feet deep. Other green elements include lead-free and recyclable electronics, concrete rather than traditional asphalt in the parking lot to reduce the heat-island effect, extensive water conservation and rainwater harvesting features, furnishings that dramatically reduce off-gassing of toxic chemicals, and sustainable flooring coverings that are agriculturally based. In addition to following the U.S. Green Building Council's guidelines to receive LEED Gold status, the Educational Technology Campus is also built to conform to the European Union's Restriction of Hazardous Substances and Waste Electrical and Electronic Equipment standards. These standards mandate designs that require low heat generation and high levels of energy efficiency, ban the use of certain toxic chemicals and mandate ease of disassembly for recycling at the end of product life. Additional product certifications include GREENGUARD, Forest Sustainability Council, C2C McDonough-Braungart Design Criteria, and International Dark-Sky Association.

Access to LEED Kiosk:

<http://login.connectwithwow.net/Powersmiths.wow/KIOSKPage.aspx?request=GG7k4aH+ZsuOqCpXoqeg3S+6iXTiy8mBGLa0Jm8HF2UMNaPiNBEO7Gp1SgUcJDg3zOelby5U+Lk=>

Architect: JMA, Las Vegas, NV

LEED CERTIFICATION ACHIEVED: LEED-NC v2.2 Gold Certification July 7, 2010.