

Shands Cancer Hospital Achieves LEED® Gold

The Shands Cancer Hospital at the University of Florida in June became the first in the Southeast to earn Leadership in Energy and Environmental Design (LEED®) Gold certification from the U.S. Green Building Council. One of the hospital's most sustainable elements is the 4.3-megawatt Gainesville Regional Utilities South Energy Center. This on-site combined heat and power (CHP) facility meets all of the hospital's electric, cooling, heating and medical gas requirements, even during a grid power outage. Burns & McDonnell provided architecture, engineering, procurement and construction management for the facility. CHP technology achieves significantly increased efficiency and reduced emissions compared to conventional central utility plants.

Firm to Develop First Navigational Hazards Overlay Program Tool

The Kansas Department of Transportation recently selected Burns & McDonnell to develop an Aviation Navigational Hazards Overlay Program Tool using geographic information system (GIS) applications. The first of its kind in the United States, the tool streamlines the site selection process to quickly identify potential building sites and avoid non-developable locations. To provide the analysis, Burns & McDonnell will collect information on civil and military airports, aviation routes and instrument approach surfaces for each public-use airport, existing obstructions, communication facilities, radar installations, and other obstructions that may impact the aviation system. The overlay will complement the state's existing GIS tools with capabilities for easy updates and usage.

Joint Venture Team to Design Ultrasupercritical Power Plant

Burns & McDonnell and joint venture partners Zachry Industrial and Mitsubishi Power Systems were selected to design and build the Coletto Creek Unit 2 coal-fired power facility. Owners International Power and the South Texas Electric Cooperative expect construction to begin in late 2011 on the 650-megawatt, ultrasupercritical power facility in Goliad County, Texas. The \$1.4 billion Coletto Creek 2 will be built with air quality control systems that  enable compliance with the most stringent state and federal emissions standards. Completion of the engineer-procure-construct project is expected in 2015.

