LEED for New Construction and Major Renovations

The Henry J Carter Specialty Hospital and Nursing Facility has utilized a variety of green building strategies and materials to enhance the aesthetic value and environmental-sensitivity of the site. By incorporating some of the measures outlined below, in addition to other sizable efforts, both buildings have received a Gold rating from the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) program.

Resource Efficient Design:

- The facility has made a commitment to reduce water usage by installing **high performance fixtures**. These fixtures save an estimated 2,886,000 gallons of water per year when compared to conventional fixtures and reduce the impact on potable water supplies.
- The project exceeds energy code and is estimated to save $47,000 a year in energy costs.
- The project supports regional **renewable energy** projects by purchasing renewable energy for 35% of the facilities electricity consumption. The electricity that comes from renewable sources such as wind, solar, geothermal or hydro-electric power produces less pollution and significantly lowers environmental impacts. In addition electric car charging stations are available to encourage the use of low-emitting fuel efficient vehicles.

Materials and Resources

- Construction waste accounts for 15% of the trash deposited into landfills. During construction the team implemented an aggressive construction waste plan and recycled and/or salvaged more than 1,511 tons of construction material
- Much of the wood purchased came from a **sustainably managed forest** in compliance with the Forest Stewardship Council (FSC). All certified products are sourced using responsible forestry practices.
- Recycled steel and gypsum board were provided by **local manufacturers** whenever possible reducing the number of carbon emissions from transportation.

Indoor Environmental Quality

- Special care was taken to install paints, coatings, sealants and adhesives on the interior walls that contain lower amounts of Volatile Organic Compounds (VOC), **emitting fewer pollutants** into the interior. The application of these products contributes to healthier, cleaner indoor air quality.
- To help ensure superior air quality, and avoid carcinogens, composite wood was selected **free of added urea formaldehyde**.