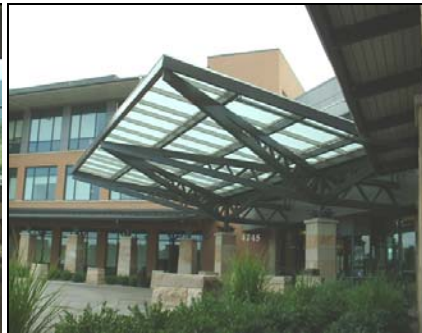


ARCHITECTURAL ENERGY
CORPORATION
Integrated Engineered Solutions

Boulder Community Foothills Hospital

Boulder, Colorado



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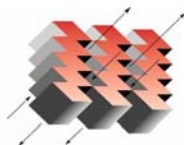
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Boulder Community Foothills Hospital is a women and children's center in Boulder, Colorado. Designed and built by a local team, sustainability and environmental sensitivity were top priorities. The first hospital in the nation to earn LEED® Certification, Boulder Community Foothills Hospital's LEED Silver sets the standard for energy and environmentally responsive healthcare facility design. The project included use of environmentally-friendly materials, an extensive construction waste management plan, use of native plantings, and exceptional attention to indoor air quality. The result is a facility that maximizes patient comfort while minimizing environmental impacts and operational costs.

Boulder Community Foothills Hospital made a capital investment of \$1.3 million in a central utility plant to provide a 12 year payback through energy savings. Such an investment as well as adhering to the LEED requirements throughout the design and construction process, clearly demonstrate the hospital's commitment to a long-term, sustainable approach to building design and operation, and to first-class patient care. Multiple sustainable design awards and national and international recognition have followed.

Project Information: Boulder Community Foothills Hospital

Project Type	Hospital and Medical Office Building
Client / Design Team	<i>Architect:</i> OZ Architecture and Boulder Associates Boulder, Colorado <i>Energy/Daylighting/Sustainable Design Consultant:</i> Architectural Energy Corporation Boulder, Colorado
Size	154,000 ft ²
Location	Boulder, Colorado
Cost	\$56 million
Year Constructed / Occupied	2003
Sustainable Design Features	<p>Energy efficiency measures resulted in energy savings of 30.6% compared to a minimally-compliant local code building.</p> <p>Exemplary indoor air quality was achieved through by specifying low-VOC materials, installing all materials in proper sequence, and performing a two-week building flushout prior to occupancy.</p> <p>64% of the construction waste was recycled on the project.</p> <p>Building materials such as concrete, gravel, brick, and sandstone were locally harvested and manufactured.</p> <p>In public areas (non-medically critical), water saving fixtures were installed. In the public restrooms, waterless urinals were used, marking the first installation in the City of Boulder.</p> <p>A 53% reduction in potable water use was achieved through drought resistant landscaping.</p> <p>Exemplary encouragement of alternative transportation was achieved through minimum parking exceedance, bus passes for all employees, construction of new bus-stops and provision of numerous bicycle racks.</p>



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