



ENERGY FACT SHEET

Third Street Center is a top-notch example of sustainability.

Community leaders in Carbondale rescued a vacated elementary school slated for demolition, formed a non-profit organization and raised funds to transform it into an office and studio complex. Today, Third Street Center is home to more than 30 nonprofits and businesses, and provides meeting rooms for community events.



Brent Moss Photography

The building retrofit made the most of sustainable design, materials and technology. It includes energy efficient heating, cooling, ventilation, lighting, insulation, windows and water fixtures. The 45,100-square-foot building generates a portion of its own electricity with a large rooftop solar array, and a solar thermal array will soon heat the center's water and rooms.

KEY SUSTAINABILITY FEATURES

Energy efficient heating: High-efficiency boilers, piping, pumps and building envelope improvements reduce energy needs by more than 30 percent.

Passive cooling: Insulation, ventilation, operable windows and skylights take advantage of Carbondale's cool summer nights to cool the building with little energy use. No conventional air conditioning is required.

Ventilation: Energy recovery ventilators expel stale air and transfer its heat to incoming fresh air. Operable skylights, windows and outside doors provide fresh air throughout the building.

Lighting: Skylights in every room, solar tubes in the hallways and a clerestory in the round room provide day lighting and reduce energy needs for lighting by 70 percent. Energy efficient LED and fluorescent lights reduce the energy required for electric lights.

Insulation: Roof insulation boosted from R-11 to more than R-40 keeps the building warm in winter and cool in summer.

Windows: Double-pane operable windows installed throughout the building provide fresh air when open and seal out cold when they're closed.

Water fixtures: Microhydro-powered faucets, waterless urinals and dual-flush toilets reduce water consumption.

Renewable electrical energy: Rooftop solar electric system with 264 panels can generate 52.2 kilowatts of electricity. Entryway double-sided solar electric system lets light through and generates 1.6 kilowatts of electricity. Together they supply about 40 percent of the building's electric demand. Parking lot lights use high-efficiency LED fixtures and are powered directly by a solar panel and self-contained battery pack on each pole.

Renewable heating energy: Rooftop solar thermal system with 12 collector panels, coupled with a 500-gallon storage tank, will heat water for sinks and kitchen uses as well as provide a portion of the energy required for heating the building.

Energy information systems: A kiosk at the entrance will display the building's energy use and energy production, and educate building visitors.

520 S. Third St • Carbondale • Colorado 81623
(970) 963-3221 • thirdstreetcenter.net
Open weekdays 8 a.m. to 5 p.m. and by reservation



THIRD STREET CENTER

Third Street Center is owned by the Town of Carbondale, following the completion of a land swap with the Roaring Fork School District in 2008. The Town has leased the building and grounds to the nonprofit Third Street Center organization.

Turning the former school into a nonprofit center was made possible by an extensive partnership:

Third Street Center Development Team: Gavin Brooke, Jeff Dickinson, Colin Laird

Community Collaborators: Town of Carbondale, Roaring Fork School District

Major Funders (more than \$100,000):

Colorado Department of Local Affairs	The Kresge Foundation
Garfield County	The Gates Family Foundation
Jim and Connie Calaway	Alpine Bank
The Manus Fund	Town of Carbondale

Development: Land + Shelter Inc.: Gavin Brooke, Andi Korber, Sara Plesset, Jeff Ellis

Development & Funding: Roaring Fork Community Development Corporation: Colin Laird

Architecture: Energy & Sustainable Design, Inc.: Jeff Dickinson, Angela Loughry, Robin Scher

Financing: Alpine Bank, Manus Fund, Roaring Fork Community Development Corp.

Third Street Center Campaign Co-Chairs: George Stranahan, Michael Hassig, J. Robert Young

Capital Campaign Directors: Kristen Loden, Judy Olesen

Sustainability Inspiration: Sustainability Center of the Rockies (SCoR)

General Contractor: B&H General Contractors

Mechanical Engineering: Resource Engineering Group

Plumbing and Electrical Engineering: Boulder Engineering Co.

Structural Engineering: Structural Engineering Services

Landscape Architect: DHM Design

Lighting Design: Alpenglow Lighting & Rising Sun Enterprises

Solar PV Installations: Sol Energy & Sunsense Solar

Third Street Center Staff

Executive Director: Jody Ensign	Facilities Manager: Mark Wolfe
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Third Street Center Board of Directors

Richard B. Fuller, President	Michael McVoy, Vice President
Dan Miller, Treasurer	Ro Mead, Secretary
Stacey Bernot	Shane Evans
Laura Kirk	Frank McSwain
George Stranahan	Evan Zislis

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