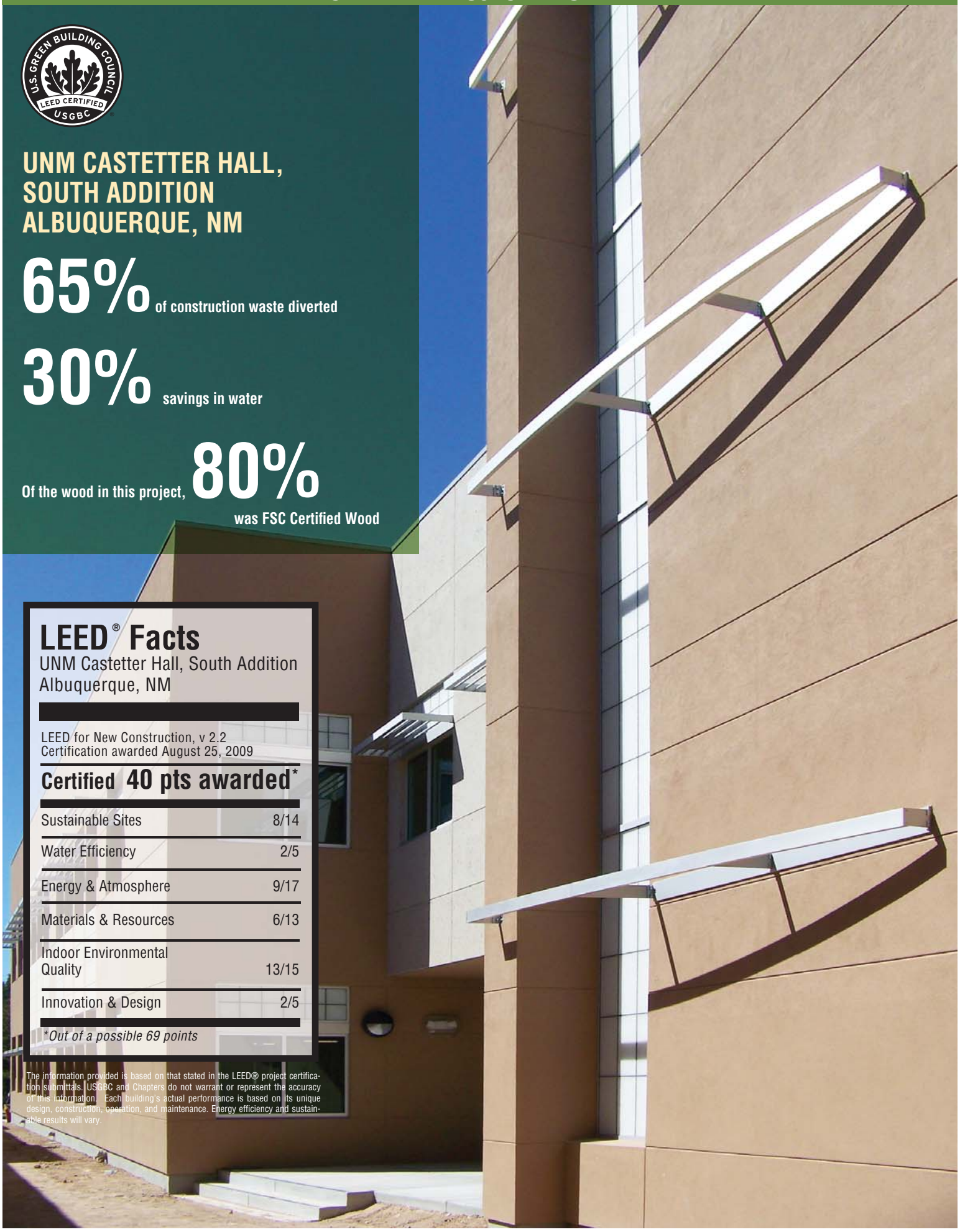
CHAPTER PROJECT PROFILE



UNM CASTETTER HALL, SOUTH ADDITION ALBUQUERQUE, NM

65% of construction waste diverted

30% savings in water

Of the wood in this project, **80%** was FSC Certified Wood

LEED® Facts

UNM Castetter Hall, South Addition
Albuquerque, NM

LEED for New Construction, v 2.2
Certification awarded August 25, 2009

Certified 40 pts awarded*

Sustainable Sites	8/14
Water Efficiency	2/5
Energy & Atmosphere	9/17
Materials & Resources	6/13
Indoor Environmental Quality	13/15
Innovation & Design	2/5

**Out of a possible 69 points*

CHAPTER PROJECT PROFILE

UNM CASTETTER HALL, SOUTH ADDITION

"LEED-ing the Way"

The UNM Department of Biology Goes Green

PROJECT BACKGROUND

The Department of Biology's research has advanced conservation programs including biodiversity, water management, global climate change and the impact of pathogens and parasites on the health of people globally. Once the addition is completed, the department will offer high-caliber training for students not easily fulfilled elsewhere in the state while enabling the University of New Mexico to maintain its competitiveness in seeking funding through organizations including the National Institutes of Health and the National Science Foundation. The research laboratories will provide opportunities for students and faculty to work on health-related problems affecting the world while also allowing researchers to contribute to critical issues in New Mexico such water quantity and quality. When the facility earned a LEED® Gold rating Aug. 25, 2009, the $4.3 million addition became UNM's first building to achieve LEED certification.

STRATEGIES AND RESULTS

Because laboratories are traditionally high-energy users, mechanical systems filter and re-circulate already conditioned air as much as possible, keeping the interiors contaminant-free while lessening demand on heating and cooling systems. Efficient mechanical systems, solar gain, allow the building to consume 31.5% less energy overall than similar buildings on campus. Plentiful natural light coupled with building orientation and reduction of and operable windows enhance the environmental quality for the building's inhabitants, even those working in the laboratories.

The paints, adhesives and sealants feature low chemical emissions. Composite wood products have no added urea-formaldehyde. More than a third of the materials used for the project contain recycled content and 64% of construction waste was recycled.

ABOUT THE TEAM

Since 1944, SMPC Architects has been a leading architectural firm in New Mexico. SMPC is a multi-disciplined firm focused on improving the quality of life in the region through innovative architectural design. Committed to sustainable environments, SMPC provides comprehensive services to commercial, high-technology, health care, educational, public, religious and cultural clients. For more information, visit SMPC's new Web site, www.SMPCArchitects.com.

"Having strong programs in ecology, our department is proud to have the first LEED-certified project on the UNM campus. The quality of the spaces created by the LEED requirements has insured the best possible environment to support years of successful research."

E.S. "Sam" Loker, Ph.D., Professor

UNM Department of Biology Chair

Architect: SMPC Architects
Civil Engineer: The Hensley Engineering Group
Commissioning Agent: Beaudin Ganze
Contractor: Britton Construction
Interior Designer: SMPC Architects
LEED Consultant: SMPC Architects
Mechanical Engineer: The Response Group
Electrical Engineer: The Response Group
Structural Engineer: Chavez-Grieve Consulting Engineers Inc.
Owner's Rep: UNM Office of Capitol Projects
Project Size: 15,867 square feet
Total Project Cost: $4.3 Million

Photographs Courtesy of: Dave Cook

ABOUT CHAPTER

The USGBC - NM Chapter is a local non-profit with a mission: to transform our built environment through education, collaboration and outreach, to promote environmentally responsible practices that are economically and socially beneficial to the community.

www.usgbcnm.org
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