



2009 Colorado Sustainable Design Awards – Program & Requirements

Overview

The **Colorado Sustainable Design Awards (CSDA)** is a statewide program recognizing outstanding **sustainable design** in residential, commercial and civic buildings and master-planned communities. Founding CSDA partners are *ColoradoBiz* magazine, *AIA Colorado*, *ULI Colorado* and *U.S. Green Building Council Colorado*.

The awards will highlight the Colorado people and firms that are designing, building and planning the buildings and communities of the future and will showcase the projects to a statewide audience.

Eligibility

The *CSDA* program is open to architecture, landscape architecture, planning and engineering firms; builders and developers doing business in Colorado; state or local governments; planning and environmental agencies; or others submitting on behalf of Colorado firms. Projects submitted for consideration must be located in the state, and **completed or entitled** (see **Eligibility** below) by the submission deadline of Aug. 15, 2009. Once a project receives an award, it is no longer eligible for entry in future CSDA programs.

There is no fee to enter the CSDA program.

Award Categories

Three finalists including a winner will be selected in four categories:

1. Residential architecture – single-family homes
2. Commercial architecture – office/mixed-use/multi-family buildings
3. Civic architecture
4. Sustainable Communities Award -- land development, urban design and/or master planned communities

A jury of design professionals assembled by **CSDA founding partners** will select finalists and winners in each category. (Also see Award Category Descriptions)

Awards & Recognition

- Recognition

Winners in each category will be designated **CSDA Project of the Year**. Finalists will be designated **CSDA Outstanding Finalist**.

Finalists and winners will be featured in the November 2009 issue of *ColoradoBiz* magazine, circulated to more than 20,000 business and civic leaders throughout the state. Video footage of the projects and winners will be produced for use on *ColoradoBiz TV* (www.cobizmag.com), partner broadcast outlets including *Denver Channel 7*, and provided to each finalists and winner for use.

Awards will be presented at the as the 2009 the **Rocky Mountain Commercial Real Estate Expo and Fall Forecast**, Nov. 10, 2009, at the Colorado Convention Center.

- Key Dates/2009:

- June 1: CSDA entry forms available at partner websites
Submission packets available for mailing
- June 15: Submittal period begins
- Aug. 7: All entry forms due – deadline to enter competition
- Aug. 21: Submission deadline for all nominations – electronic PDF due
- Oct. 1: Winners & finalists announced at CSDA awards reception
- Nov. 1: Publication of award winners in *ColoradoBiz*
- Nov. 10: Awards presentation at *Rocky Mountain Commercial Real Estate Expo and Fall Forecast*, University of Denver. Winners are asked to be present.

- Awards Entry Process:

1. Enter the program by completing an entry form, attached here, or download at:
 - a. *ColoradoBiz* www.cobizmag.com, **DOWNLOAD CSDA ENTRY FORM HERE** link at the top of the home page
 - b. Urban Land Institute Colorado <http://colorado.uli.org/>
 - c. American Institute of Architects Colorado Chapter <http://www.aiacolorado.org/awards/aia-colorado-awards/>
 - d. U.S. Green Building Council Colorado Chapter www.usgbccolorado.org/news-events/2009CSDA.html

2. Return the completed entry form to:

- a. *ColoradoBiz* – Becky McIntyre, bmcintyre@wiesnermedia.com
- b. *AIA Colorado* – Sonia Riggs, sonia@aiacolorado.org
- c. *US Green Building Council Colorado* – Deb Kleinman, deb@usgbccolorado.org
- d. *ULI Colorado* – Michael Leccese, Michael.Leccese@ULI.org

3. A nomination packet will be sent upon receipt of the entry form. Each entry submission will include:

- **Project Fact Summary (Saved as a Word Document):** Provide the following information about your project: Submitting Entity, Name of Project, Category Entered, Project Completion Date or Entitlement Date, Location, Primary Materials Used, Size of Building, Size of Site, Cost of Construction and Scope of Work (i.e. goals of the project, special considerations, unique design requirements, etc.)
- **Project Narrative (Saved as a Word Document):** A written description of the project, clearly outlining how the project meets the **underlying sustainable objectives** of the awards.(See category submittal requirements below)
- **Digital Nomination Submittal**

All awards are to be submitted electronically, in pdf format. Hard copy submittals will not be accepted.

All submittals shall be PC computer format on a cd-rom or DVD. Multiple projects submitted may be included on the same cd-rom. They should be placed in separate file folders labeled with the project's name.

Organize all text and images for the submittal into a single pdf document. Images should be as large as possible on the sheet and a minimum of 250 dpi. Provide between 10 and 15 well composed digital images. One of the images must be a plan graphic of the project. Provide only one image per sheet. Please do not collage multiple images on sheets. Text accompanying each image should be limited to a very brief description of the image.

Organize the pdf document in the order you want the text and images viewed by the jury. As appropriate, include a separate pdf of the planning document. Provide, in a separate folder on the CD, five images in jpeg format (300 dpi at approximately 8" x 10") that will be included in the publication should the project be judged the winner or a finalist.

Send completed nominations to:

ColoradoBiz
5970 S. Greenwood Plaza Blvd.
Building One, Suite 360
Greenwood Village, CO 80111
Attn: Becky McIntyre – CSDA Awards

Submittal Requirements – Category-Specific Description & Requirements

Categories #1 (Residential Design), #2 (Commercial Architecture), #3 (Civic Architecture):

- Eligibility: Projects completed by entry deadline
- Evaluation Criteria:

Measure 1: Design Intent & Innovation

Award-winning design embraces the ecological, economic and social circumstances of a project. Describe the most important sustainable design ideas for your project as well as the specific circumstances or constraints that generated those ideas. (This should not be a list of sustainable design measures.) Describe any unique sustainable design innovations. How does the architectural expression demonstrate the sustainable design intent? How did the sustainable design effort lead to a better overall project design? (< 100 words)

Measure 2: Regional/Community Design & Connectivity

Award-winning design recognizes the unique cultural and natural character of a given region. Describe how the design promotes regional and community identity, an appropriate sense of place and community interaction. Does the project's location reduce automobile travel from home, work or shopping? Does the project make use of alternative local or regional transportation or reduce locally mandated parking requirements? (< 100 words)

Measure 3: Land Use & Site Ecology

Award-winning design reveals how ecosystems can thrive in the presence of human development. Describe how the development of the project's site responds to its ecological context. How do the site selection and design relate to ecosystems at different scales, from local to regional? How does the development of the immediate site and its buildings relate to a larger master plan and/or land use guidelines for the area?

Describe the landscape design and the creation, re-creation or preservation of open space, permeable groundscape, and/or on-site ecosystems. Briefly describe any strategies for habitat creation and regionally appropriate planting (water will be addressed elsewhere). Describe any density or land use assessments and objectives. Is the site rural, suburban or urban, brownfield or other previously developed land, infill or greenfield? Or can its land use be best characterized in other terms? How does the project address sustainable land use practices within its given context? (< 100 words)

Measure 4: Bioclimatic Design

Award-winning design conserves natural resources and maximizes human comfort through an intimate connection with the natural flows and cycles of the surrounding bioclimatic region. Describe how the building responds to these conditions through passive design strategies. What are the most important issues to address for your climate and building type? Describe your site analysis and how the building footprint, section, orientation and massing respond to this analysis and to regional and local climate conditions, the sun path, prevailing breezes, and seasonal and daily cycles. Discuss design strategies and energy conserving techniques that reduce or eliminate the need for active systems or mechanical solutions. Describe how passive ventilation and solar design strategies shaped the building. (< 100 words)

Measure 5: Light & Air

Award-winning design creates and maintains a comfortable interior environment while providing abundant daylight and fresh air. Outline design strategies that create a healthful and productive indoor environment through daylighting, lighting design, ventilation, indoor air quality, view corridors and personal control systems. Describe how the project's design enhances connections between indoors and outdoors. Provide drawings or diagrams to illustrate these strategies. (< 100 words)

Measure 6: Water Cycle

Water is an essential resource for all life on Earth. Describe how building and site design strategies conserve water supplies, manage site water and drainage and capitalize on renewable sources (such as precipitation) on the immediate site. Outline water-conserving landscape and building design strategies, as well as any water-conserving fixtures, appliances and HVAC equipment. List water reuse strategies for rainwater, graywater and/or wastewater. (< 100 words)

Measure 7: Energy Flows & Energy Future

Good design of building mechanical and electrical systems and integration of those systems with passive design strategies is essential for conserving natural resources and improving building performance. Describe how the design of building systems contributes to energy conservation, reduces pollution and improves building performance and comfort. Describe techniques for integrating these systems with other aspects of building design. Describe effective use of controls and technologies, efficient lighting strategies and any on-site renewable energy systems.

Award-winning design carefully considers the long-term impact of current decisions in order to protect quality of life in the future. Describe how your project responds to the on-going reduction and possible loss of fossil fuels. Does the project employ or encourage alternative energy sources? Describe strategies to reduce peak electrical demand through design, programming, use patterns, equipment selection, HVAC/lighting controls and on-site energy generation. Describe how the building or parts of the building could function in a blackout, such as incorporating operable windows and daylight/independent power for life-safety, etc. (< 100 words)

Measure 8: Materials & Construction

The careful selection of materials and products can conserve resources, reduce impacts of harvesting, production, and transportation, improve building performance and enhance occupant health and comfort. Describe the most important selection criteria, considerations and constraints (such as optimizing health, durability, maintenance, and energy use, and/or reducing the impacts of extraction, manufacturing, and transportation) for materials or building assemblies for your project.

What were the most important considerations in developing the building envelope? What were the most important material or building assembly decisions or selections (no more than 3) and how did they meet the criteria? Include consideration given to impacts on the environment over the full life cycle and the results of life cycle assessment if available. Describe any materials that are part of a "green lease" program. Describe construction waste reduction and any strategies to promote recycling during occupancy. (< 100 words)

Measure 9: Long Life, Loose Fit

Award-winning design seeks to maximize ecological, social, and economic value over time. Describe how the project's design creates enduring value through long-term flexibility and adaptability. Why is this project likely to continue thriving far into the future? Identify the anticipated service life of the project, and describe any components designed for disassembly. Describe materials, systems, and design solutions developed to enhance versatility, durability and adaptive reuse potential. Describe efforts to "right size" the project and to reduce unnecessary square footage. (< 100 words)

Measure 10: Collective Wisdom & Feedback Loops

Sustainable design recognizes that the most intelligent design strategies evolve over time through shared knowledge within a large community. Clearly and specifically describe how your design process enhanced the ultimate performance and success of the building. How did collaborative efforts between the design team, consultants, client and community contribute to success?

What lessons were learned during the design, construction and occupation of the building? If starting over today, how would your approach or emphasize change? Identify efforts to document and share these lessons with the larger community. Describe commissioning and any on-going monitoring of building performance and occupant satisfaction. How do (or will) these contribute to building performance, occupant satisfaction, or design of future projects? (<100 words)

Category #4: Sustainable Communities Award -- land development, urban design, and/or master planned communities

- Eligibility: Projects must be completed or have entitlements approved and/or construction started within the last five years to be eligible for this award.
- Evaluation Criteria: Submittals will be evaluated for innovative, forward-looking sustainable design proposals that are inclusive of the three P's of sustainability (people, place, and prosperity), also known as "**the triple bottom line**," in ways that are a unique reflection of Colorado. Winning projects will meet many of the following criteria.

Measure 1: People.

In this category, applicants should demonstrate how their projects:

- Celebrate the active outdoor lifestyle of Colorado.
- Promote mobility and access to transit options including bus, rail, car-pooling, car-share programs, bicycling and walking.
- Encourage social, economic, racial, and age diversity.
- Provide community residents access to community services, including health care, education, recreation and civic services.
- Include a rich array of activities and programs that encourage social interaction and sustainability.

Measure 2: Place. Applicants should demonstrate:

- Access to sustainable water sources and water conservation
- Preservation of open space with access to air, light and nature for community residents.
- Compact, dense neighborhoods, especially when combined with infill redevelopment
- Site selection that reduces a new community's environmental impact.
- The use of local and native materials that endure in Colorado's climate.
- Renewable energy sources found in Colorado, such as wind, solar, and geothermal.
- Passive design strategies for solar control, natural ventilation and microclimates.
- Aesthetic beauty
- How project complements local history, site, landscape, vegetation and other context.
- Energy efficiency, including technology such as the smart grid and other strategies that reduce the community's carbon footprint.
- Design guidelines that enforce sustainable design requirements for buildings and landscape.

Measure 3: Prosperity. Applicants should demonstrate

- A balance of housing and job, with proximity to jobs for residents.
- The community's positive impact on the local tax base and services for the region.
- A healthy mix of uses, including retail, education, housing and jobs is critical to the success of sustainable communities.
- Financially viability with a positive return on investment and a strong market.
- Diverse housing options, including work-force housing.

Entry Form – (Due no later than August 7, 2009; all materials due August 21)

Please complete a separate form for each entry (photocopies are accepted).

Return forms to:

ColoradoBiz

5970 Greenwood Plaza Blvd. Building One, Suite 360

Greenwood Village, CO 80111

Attention: Becky McIntyre FAX: 303.721.6478

(Or email forms to contacts listed above. Call Becky McIntyre @ 303-662-5249 with questions)

Firm Name: _____

Contact Name: _____

Phone Number: _____ Fax Number: _____

E-mail Address: _____

AIA or ULI Member Name: _____ Member #: _____

Address: _____

City: _____ State: _____ Zip: _____

Project name: _____

Project Location: _____

Submittal Category: _____

There is NO FEE to enter

