

Renewable Energy and Sustainable Design in Buildings Award 2005 CRES Awards

CALL FOR ENTRIES

The Colorado Renewable Energy Society is pleased to announce its Call for Entries for the 2005 Renewable Energy and Sustainable Design in Buildings Awards.

AWARDS

- The awards will be presented at the Colorado Renewable Energy Conference (CREC 2005) in Fort Collins. The awards will be presented by Colorado Renewable Energy Society (CRES) President, Renee Azerbegi. Each winner will receive an award plaque and a certificate for up to five individuals or companies associated with the project.
- Media releases about the award winners will be distributed to major state media, building trade media and local media covering the location of the winning buildings.
- An article featuring the award winners will be published in the CRES newsletter, distributed to 600 CRES members.
- The award winners will be announced in *Solar Today* magazine.
- Photos of and information about the award winners will be featured on the CRES web site and the ColoradoEnergy.org web site.
- Award winners will be asked to present their projects at the Colorado Renewable Energy Conference (CREC 2005).

REQUIREMENTS

Renewable Energy Features: The project must incorporate two or more renewable energy or sustainable design strategies or technologies. These may include passive solar, photovoltaics, solar thermal water or space heating, wind power, geothermal heating and cooling, daylighting, natural ventilation or others.

Award Categories: Awards will be presented in two categories, non-residential and residential. Non-residential subcategories are commercial and institutional. Residential subcategories are general, off-grid, affordable housing, and remodeling. Multi-family housing can fall into either the general housing or the affordable housing subcategory.

Date of Completion: The building must be no more than three years old and substantially complete by the date of application. All renewable energy features must be installed or purchased at the date of application.

Location: The building must be located in the State of Colorado.

RESIDENTIAL JUDGING CRITERIA

Use of Renewable Energy:
80 points

Use of passive solar strategies (20 points)
Energy efficient design (25 points)
Use of photovoltaics (10 points)
Use of solar water heating (10 points)
Use of design techniques or materials for solar control (10 points)
Use of innovative or new renewable technologies (5)

Environmental Impact:
40 points

Resource Efficiency (10 points) (Use of recycled or sustainable materials)
Use of Energy Efficient heating, cooling and appliances (10 points)
Reduction of Embodied Energy (5 points)
Improvement of Indoor Air Quality (5 points)
Minimize Site Impact (5 points)
Waste management during construction and after (5 points)

Aesthetics:
20 points

Integration of renewable energy strategies or technologies into the building in an aesthetic manner (20 points)

Public Awareness:
5 points

The building serves to increase public awareness about renewable energy (5 points).

Replicability:
5 points

The building serves as an example for other Colorado builders and architects who want to incorporate renewable energy into their buildings (5 points)

NON-RESIDENTIAL JUDGING CRITERIA

Use of Renewable Energy:
80 points

Orientation of the building for solar access and/or control (5 points)
Energy efficient design (25 points)
Use of photovoltaics (10 points)
Use of solar water heating (10 points)
Use of daylighting strategies (15 points)
Use of design techniques or materials for solar control (10 points)
Use of innovative or new renewable technologies (5)

Environmental Impact:
40 points

Develop and utilize a commissioning plan (10 points)
Use high efficiency HVAC and lighting equipment (10 points)
Reduction of embodied energy (5 points)
Improvement of indoor air quality (5 points)
Minimize site impact (5 points)
Waste management during and after construction (5 points)

Aesthetics:
20 points

Same criteria as residential.

Public Awareness:
5 points

Same criteria as residential.

Replicability:
5 points

Same criteria as residential.

RENEWABLE ENERGY AND SUSTAINABLE DESIGN IN BUILDINGS AWARD

2005 CRES AWARD APPLICATION

AWARD CATEGORY (Check One):

Non-Residential

Subcategory Commercial Building Institutional Building

Residential

Subcategory General Housing Off-grid Housing Affordable Housing Remodeling

Name of Applicant(s) _____

Role in Project: _____

Address _____

City _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

Others involved with Project (up to 5 total names, including applicant):

Project Name: _____

Project address: _____

DEADLINE

Entries must be postmarked no later than **April 29, 2005**.

Please answer the following questions and submit with the entry form

1. **General Information:**

- Building Square Footage
- Number of stories
- Construction cost per square foot
- Non-renewable heating source (e.g., natural gas, propane, electricity)
- Date of completion
- For housing, number of bedrooms
- For housing, initial sales price and date of sale
- Other relevant information

2. **Use of Renewable Energy:** What renewable energy technologies or strategies does the building incorporate?

3. **Environmental Impact:** What impact do the renewable energy and energy efficiency features of the building have on the environment (e.g. estimate how much non-renewable energy is replaced, how much CO2 is displaced, or improvement in indoor air quality)?

4. **Aesthetics:** How have the renewable energy features been integrated into the building and the natural environment?

5. **Public Awareness:** How does the building help raise public awareness for renewable energy? (e.g. was it open to the public? Is it in a publicly accessible location?)

6. **Replicability:** How does the building serve as an example for other builder or architects? (e.g. Can any of the strategies be widely adopted? What can builders or architects learn from the building to apply to their own buildings?)

A minimum of two photographs (maximum of five) showing renewable energy features must be submitted with the application. Include drawings (section, plan, elevation) to document passive solar, daylighting, and/or other features. Attach any other pertinent information, such as a copy of your E-star certificate, Green-Built Checklist, LEED Scorecard, computer output, energy code compliance documentation, etc. that will help in the evaluation of your project.

**Return Application to
Colorado Renewable Energy Society
c/o
Werner Duecker
Chamberlin Architects
1726 Cole Blvd, Suite 121
Golden, Colorado 80401**

Entries must be postmarked no later than **April 29, 2005**. Material that you have submitted may be picked up after the judging if desired. Pickup location and details will be available to entrants at a later time.