

2012 Building Awards Environmental/Energy Efficiency

ENVIRONMENTAL/ ENERGY EFFICIENCY AWARDS CATEGORIES

A project may be entered in more than one category.

Entry Fee: **Pocono Builders Association Members - \$150 for first entry**
(Includes two dinner admissions)
\$75 each additional entry
(No extra dinner admissions)

NOTE: For the Remodeling/Addition/Restoration categories, entry packets must include at least two “before” photos.

Purpose / Rules

- A. To promote energy conservation in the construction of homes and commercial buildings throughout the Poconos.
- B. To promote the use of environmentally friendly products and recyclable or recycled products in the construction of homes and commercial buildings throughout the Poconos.
- C. To establish a mark of distinction for builders and owners who implement these considerations in the construction of projects throughout the Poconos.
- D. Minimum of 70 points total must be met to be considered for recognition in the environmental award categories.
 1. This program is limited to members only of the Pocono Builders Association.
 2. Entries **must be projects substantially complete during January 1, 2011 through December 31, 2011**
 3. Projects are **limited to the eight-county geographic area of the Poconos:** Monroe, Carbon, Wayne, Northampton, Pike, Luzerne, Lehigh and Lackawanna Counties. All other counties will be disqualified.
 4. Applicant may be owner, architect, engineer, builder, remodeler, interior designer, contractor or landscape designer. All professionals will be verbally recognized. Applicants other than owners must have owner's permission.
 5. Entry packets **MUST BE ANONYMOUS** for fairness with no names or logos appearing on materials except the entry form. **This includes the narrative.** Entry packets **MUST BE COMPLETE and presented in a project report binder. Incomplete packets will be returned to the applicant.** If only 1 project is entered into a category. The decision of the judges is final.

I have read and will comply with the rules

(SIGNATURE) (DATE)

(DATE)

2012 Building Awards

Environmental/Energy Efficiency

1. Residential (circle one) ☐ New Construction ☐ Remodeling/Addition

- a. Under 1,500 sq ft
- b. 1,500-2,500 sq ft
- c. 2,500 – 3,500 sq ft
- d. 3,500 – 4,500 sq ft
- e. Over 4,500 sq ft

2. Commercial (circle one) ☐ New Construction ☐ Remodeling/Addition

- a. Under 2,500 sq ft
- b. 2,500 – 5,000 sq ft
- c. 5,000 – 10,000 sq ft
- d. 10,000 – 20,000 sq ft
- e. Over 20,000 sq ft

3. Residential/Commercial

Check all that apply

A. Type of heating/Cooling system:

SEER_____ (1-5 points) EER_____ (1-5 points)

- ☐ Oil (0 points)
- ☐ Electric (1 point)
- ☐ Propane (2 points)
- ☐ Natural Gas (2 points)
- ☐ Air to Air heat pumps (3 points)
- ☐ Geothermal (8 points)
- ☐ Electric – Alternate Renewable Supply (8 points)

B. Programmable Thermostats

- ☐ Yes (5 points)
- ☐ No

4. Does the project meet or exceed the following:

- ☐ Comfort Home (3 points)
- ☐ Energy Star Home (5 points)

LEED Certified (Confirmation Required)

- ☐ Certified (8 points)
- ☐ Silver Certificate (13 points)
- ☐ Gold Certificate (18 points)
- ☐ Platinum Certificate 23 points)

NAHB Green Certified (Confirmation Required)

- ☐ Bronze Certificate (5 points)
- ☐ Silver Certificate (10 points)
- ☐ Gold Certificate (15 points)
- ☐ Emerald Certificate (20 points)

5. Water Heater

- ☐ High Efficiency Electric (3 points)
- ☐ Propane (-1 points)
- ☐ Oil (-5 points)
- ☐ Tankless Instant – Propane (4 points)
- ☐ Tankless Instant – Electric (5 points)
- ☐ Ground Source Heat Pump (10 points)
- ☐ Hot Water Heat Pump (8 points)

6. Thermal Storage

- ☐ Yes (10 points)
- ☐ No

7. Type of Insulation

- | | | | |
|---|----------------|----------------------------|-------------|
| <input type="checkbox"/> Walls
(0-5 points) | <u>R Value</u> | <u>R Value Performance</u> | <u>Type</u> |
| <input type="checkbox"/> Basement
(0-3 points) | <u>R Value</u> | <u>R Value Performance</u> | <u>Type</u> |
| <input type="checkbox"/> Ceiling
(0-5 points) | <u>R Value</u> | <u>R Value Performance</u> | <u>Type</u> |
| <input type="checkbox"/> Piping for hot water
(2 points) minimum R Value 4 | <u>R Value</u> | <u>R Value Performance</u> | <u>Type</u> |
| <input type="checkbox"/> Cellulose
(5 points) | <u>R Value</u> | <u>R Value Performance</u> | <u>Type</u> |
| <input type="checkbox"/> Spray Foam
(5 points) | <u>R Value</u> | <u>R Value Performance</u> | <u>Type</u> |
| <input type="checkbox"/> Exterior Insulation
(5 points) | <u>R Value</u> | <u>R Value Performance</u> | <u>Type</u> |

8. Type of Plumbing

- ☐ Copper (-2 points)
- ☐ Cast Iron (0 points)
- ☐ Flex Tubing (3 points)
- ☐ PVC Piping (2 point)

9. Solar Orientation

- ☐ Yes (5 points)
- ☐ Alternative Renewable Energy System Solar / Wind / Hydro (10 points)
- ☐ No

10. Projected or Actual Annual Heating \$ Cost/Square foot \$ _____

(0-\$.25 = 10 points)

(0.25-0.50 = 8 points)

(0.50 – 1.00 = 5 points)

(Over \$1.00 = 0 points)

- ☐ Energy Audit
- ☐ Actual Bills
- ☐ None Available

Environmentally Friendly

1. Type of Basement

- ☐ Wood (-5 points)
- ☐ Concrete (2 points)
- ☐ Insulated Precast Walls (5 points)
- ☐ Insulated Concrete Forms (5 points)
- ☐ Other

2. Type of waterproofing

- ☐ Tar (-1 point)
- ☐ Rubber or Drainage Mat (5 points)
- ☐ Other

3. Type of roofing

- ☐ Tar (-2 points)
- ☐ Modified Bitumin (-1 point)
- ☐ Shingle (1 point)
- ☐ Recycled Steel (5 points)
- ☐ Rubber (2 points)
- ☐ White Rubber (4 points)
- ☐ Slate (5 points)
- ☐ Clay (5 points)
- ☐ Concrete (5 points)
- ☐ Vegetative Roof (10 points)
- ☐ Solar Shingles (10 points)
- ☐ Metal (3 points)
- ☐ Light colored material (2 points)
- ☐ Other

4. **Type of siding**

- ☐ Wood (0 points)
- ☐ Vinyl (1 point)
- ☐ Aluminum (2 points)
- ☐ Recycled Steel (4 points)
- ☐ Fiber Cement (5 points)
- ☐ Stucco/Acrylic (5 points)
- ☐ Masonary (4 points)
- ☐ Other

5. **Framing Construction**

- ☐ Recycled Steel (2 points)
- ☐ Steel (Not Recycled) (-2 points)
- ☐ Exterior Insulation (3 points)
- ☐ Insulated Panel (6 points)
- ☐ Insulated Concrete Forms (8 points)
- ☐ Other

6. **Windows**

- ☐ Performance U Value Greater then .34 (0 points)
- ☐ Performance U Value .30 -.33 (2 points)
- ☐ Performance U Value .26 - .29 (4 points)
- ☐ Performance U Value Below .25 (8 points)

7. **Exterior Doors** Performance U Value .30 or higher (2 points)

- ☐ Performance U Value .26 - .29 (4 points)
- ☐ Performance U Value Below .25 (8 points)

8. **Skylights** Performance U Value .55 or less (5 points)

9. **Interior Flooring** Check all that apply

- SF ☐ Vinyl (1 point)
- ☐ Wood Engineered (2 points)
- ☐ Ceramic (2 points)
- ☐ Wood Laminate (3 points)
- ☐ Recycled Carpet (2 points)
- ☐ Concrete (4 points)
- ☐ Cork (6 points)
- ☐ Rubber (6 points)
- ☐ Linoleum (6 points)
- ☐ Stone (6 points)
- ☐ Other

10. **Plumbing Fixtures** Check all that apply

- ☐ Low Flow Shower Head 1.6 Gallons per minute or less (2 points)
- ☐ Low Flow Toilets 1.28 Gallons or less per minute (3 points)
- ☐ Return loop to hot water (3 points)
- ☐ Programmable Timers (3 points)
- ☐ _____ # of Faucets @ 1.5 Gallons per minute or less (1 point for each faucet)
- ☐ Reduce Distribution to Plumbing Fixtures (4 points)
_____ System Used

11. **Lighting** Check all that apply

- ☐ Fluorescent (10 points)
- ☐ Low Voltage (3 points)
- ☐ Solar Tube (5 points)
- ☐ Solar (DC Battery) (8 points)
- ☐ CFL
 - ☐ 50 percent of lighting is CFL (1 point)
 - ☐ 75 percent of lighting is CFL (2 points)
 - ☐ 100 percent of lighting is CFL (3 points)
- ☐ Energy Star Light Fixtures
 - ☐ 50 percent of lighting is Energy Star Light Fixtures (1 point)
 - ☐ 75 percent of lighting is Energy Star Light Fixtures (2 points)
 - ☐ 100 percent of lighting is Energy Star Light Fixtures (3 points)
- ☐ Occupancy sensors / timed or motion sensors are installed
 - ☐ 25 percent of lighting has occupancy sensors / timed or motion sensors (2 point)
 - ☐ 50 percent of lighting has occupancy sensors / timed or motion sensors (4 points)

12. **Wallcovering**

- ☐ Low VOC Paints / Adhesive or Sealants (3 points)

13. **Driveways and Walkways**

- ☐ Concrete (2 points)
- ☐ Recycled Concrete (3 points)
- ☐ Brick (4 points)
- ☐ Recycled Asphalt (3 points)
- ☐ Recycled Rubber (8 points)
- ☐ Pervious Pavement / Permeable Materials (10 points)
- ☐ Light colored – reflective material (3 points)
- ☐ Shared parking area / driveway (4 points)
- ☐ Other

14. Landscaping / Lot Design / Preparation / Development

Check all that apply

- ☐ Utilizing existing vegetation (canopy trees) (4 points)
- ☐ Planting native non invasive plants (4 points)
- ☐ Build On Infill Lot (5 points)
- ☐ Gray / Brownfield Site (5 points)

Minimizing soil disturbance by one or more of the following:

- ☐ Construction Activities are scheduled to minimize length of time that soils are exposed (5 points)
- ☐ Utilities are installed using one or more alternative means; tunneling instead of trenching, use of smaller equipment or geomats to spread the weight of construction equipment and/or placement of utilities under paved surfaces instead of yards. (5 points)
- ☐ Limits of clearing and grading are demarcated on the plan (5 points)

Storm water is managed using one or more of the following low-impact development techniques:

- ☐ Natural water and drainage features are preserved and used (6 points)
- ☐ A storm water management plan is developed and implemented that minimizes concentrated flows and simulates flows found in natural hydrology (e.g., vegetative swales, French drains, wetlands, drywells and rain gardens) (6 points)

15. Construction Waste Management Plan

- ☐ Minimum of 50% of construction waste must be recycled or salvaged (6 points)

16. **Narrative: (0-20 points)** Include a brief narrative of other environmental or energy efficient Considerations of the project submitted. Limit narrative to 250 words. Suggestions to highlight in your narrative: reuse of water. Site selection, site stewardship, landscaping, surface water management, environmentally preferable products and waste management.

*** Please remember include all supporting documentation***

**Pocono Builders Association
2012 Building Awards**

CHECKLIST

Please use this checklist to make sure your entry packet is complete.

Incomplete entries will be disqualified from the competition and returned to the applicant. No phone calls will be made to remind entrants of packet components that were missed.

I have included:

- ☐ a completed, signed entry form and application
- ☐ a minimum of seven, maximum of fifteen 8 x 10 color unframed photographs (Entries must include exterior & interior. For remodeler/addition/renovation categories must include at least two "before" photos)
- ☐ a minimum of four color pictures on disk in **jpg** format. Each entry must be submitted with a separate disk of photos. Please do not combine photos of all entries on one disk. **Each entry must have its own disk of photos.**
- ☐ a simple layout or floor plan
- ☐ documentation proving that each project was completed in the time frame stated in rule two.
- ☐ a narrative of up to 250 words that describes the project and relates to my photographs & a 1 sentence narrative for use with Multi Media Presentation.
- ☐ a summary of specifications and any special construction details
- ☐ a check made payable to the Pocono Builders Association for the correct entry fee (*see Rules page, item 8 for entry fees*).
- ☐ **I have checked thoroughly to make sure that my entry is anonymous including the photographs.** There must be no logos or names on any of the materials .

**Deadline for Entries:
MONDAY September 10, 2012**

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Pocono Builders Association 2012 Building Awards

ENTRY FORM

Please fill out one entry form for each entry. Feel free to duplicate this form. Be sure to sign the form and use the enclosed checklist to make sure your entry packet is complete.

Category _____

Size (if applicable) _____ Cost (for applicable categories only) _____

Location of Entry _____

Applicant's Name _____ Phone _____

Applicant's Address _____

Applicant is: ☐ Owner ☐ Architect ☐ Builder/Contractor ☐ Landscape Designer
 ☐ Engineer ☐ Interior Designer ☐ Remodeler ☐ Other

Name and Address (if different from above) of:

Owner _____

Builder/Contractor _____

Architect _____

Project Completion Date: _____

I am the owner of this entry or have received permission from the owner to submit this application.

Applicant's Signature

Date

Optional Information: The information in this section is not required and will only be applicable in the event of a tied score during the judging process.

*Percentage of Pocono Builder Association Members used in this project at _____ representing approximately _____% of the dollar amount of the total construction cost. * Current Pocono Builders Association Members in good standing.

O Please check here if you will be attending the dinner.

NOTE: The fee for your first entry includes two dinners for the awards dinner on Wednesday, October 17, 2012 at the Stroudsmoor Inn in Stroudsburg, PA. Dinners are \$35.00 per additional person.

Chicken Gruyere with Roma Tomatoes
Salmon finished with a light caper cream sauce

Name

Name

Prime Rib of Beef

Name

Name

