

ACEC OF IDAHO

CALL FOR ENTRIES

DEADLINE: DECEMBER 5, 2014

2015

*Engineering Excellence
Awards Competition*



DATED MATERIAL ENCLOSED

P.O. Box 8224
Boise, ID 83707



2015 Idaho Engineering Excellence Awards Competition

Each year the American Council of Engineering Companies (ACEC) of Idaho sponsors the **Idaho Engineering Excellence Awards Competition**. This competition is open to all engineering or surveying firms, whether or not they are a member of ACEC of Idaho. The competition is to give public recognition to those engineering achievements that demonstrate a high degree of merit and ingenuity, and that provide a major contribution to technical, economic, and social advancement.

Please take time to review your projects, or those projects completed by others that you feel are worthy of engineering for this competition. EEA entries are accepted into one of 12 project categories: studies, research, and consulting engineering services; building/technology systems; structural systems; surveying and mapping technology; environmental; waste and storm water; water resources; transportation; special projects, small projects; energy; and industrial and manufacturing processes and facilities.

Non-member firms may participate in this competition, which the ACEC of Idaho sponsors and through which entries must be submitted to ACEC for the national competition.

Achieving National Recognition

The American Council of Engineering Companies' annual Engineering Excellence Awards (EEA) competition recognizes engineering firms for projects that demonstrate a high degree of achievement, value, and innovation.

For more than 46 years, engineering firms have entered their most innovative projects and studies in state and regional competitions conducted by ACEC Member Organizations (MOs). Qualifying projects at the MO level are then eligible to participate in the ACEC national competition.

Projects are rated on the basis of: uniqueness and innovative applications; future value to the engineering profession and perception by the public; social, economic, and sustainable development considerations; complexity; and successful fulfillment of client/owner's needs, including schedule and budget.

Engineering Excellence is the cornerstone for enhanced business opportunities. ACEC's 2015 EEA's provides firms with local and national recognition and a platform to showcase their talent and expertise in a dramatic setting. A luncheon will be held on **April 13, 2015** to recognize Idaho winners.

ACEC's 2015 Engineering Excellence Awards Gala provides firms with national recognition and a platform to showcase their talent and expertise in a dramatic setting. All National Finalists are recognized, and the top 24 award winning projects— 16 Honor Awards and 8 Grand Awards and one Grand Conceptor Award will be selected from the 8 Grand Awards as the overall best engineering achievement and are highlighted at the annual Gala. The annual EEA Gala-to be held Tuesday, **April 21, 2015**— celebrates, with pride and elegance the most outstanding project achievements of the engineering profession.

CATEGORY A: Studies, Research and Consulting

Non-design services including, projects not involving the preparation of construction documents:

- ◆ New products, materials and technologies
- ◆ Expert testimony
- ◆ Basic research and studies
- ◆ Computer/software technology
- ◆ Technical papers
- ◆ Public outreach/involvement
- ◆ Water conservation
- ◆ Security plans
- ◆ Project feasibility, economic, or risk studies
- ◆ Value engineering

CATEGORY B: Building/Technology Systems

- ◆ Mechanical/electrical/plumbing
- ◆ Computer/technology
- ◆ Communications
- ◆ Acoustics
- ◆ Software systems
- ◆ Sustainability or carbon neutrality
- ◆ Efficiency certification standards, e.g. LEED
- ◆ Energy efficiency— new and retrofit
- ◆ Secure facilities (military, research, correctional)

CATEGORY C: Structural Systems

- ◆ Foundations
- ◆ Buildings
- ◆ Towers
- ◆ Stadiums
- ◆ Tunnels
- ◆ Seismic Design
- ◆ Bridges

CATEGORY D: Surveying and Mapping Technology

- ◆ Geometrics, ALTA, land title & rights surveys
- ◆ Control, GPS, monitoring, or construction surveying
- ◆ Survey mapping, GIS/LIS, photogrammetry

CATEGORY E: Environmental

- ◆ Hazardous waste
- ◆ Solid waste
- ◆ Mitigation
- ◆ Waste pond management
- ◆ Mitigation
- ◆ Carbon sequestration and trading
- ◆ Air quality
- ◆ Noise
- ◆ Recycling

CATEGORY F: Water and Storm Water

- ◆ Wastewater collection/treatment and disposal
- ◆ Residuals management and reuse
- ◆ Graywater systems
- ◆ CSO's
- ◆ Mine tailings
- ◆ Agricultural
- ◆ Storm water management
- ◆ Erosion control

2015 Idaho Engineering Excellence Competition

ELIGIBILITY: Any engineering or surveying firm is eligible to enter the awards program, whether or not that firm is an ACEC of Idaho member.

GENERAL CRITERIA:

1. Both member and non-member firm entries must be submitted by **December 5th** to ACEC of Idaho to be eligible for the ACEC national competition.

Projects entered in this competition must have been “**designed**” in **Idaho**. Research and Studies (*Category A*) or Surveying and Mapping (*Category D*) must have been publicly disclosed by the client between November 1, 2012 and October 31, 2014. Construction of projects (Categories B through K – with the exception of D) must have been **substantially completed and ready for use between November 1, 2012 and October 31, 2014**.

The entering firm must select the one category which is most appropriate. A project may be entered only once in any category. However, after a project entered in Category A has been constructed, it may be entered in a different category – B through L – in the year when eligible.

Each entry must consist of three components:

- I. Official entry notebook
- II. Envelope containing submission materials
- III. Photographic display panel (see *Preparing Your Entry for the 2015 Engineering Excellence Awards*).

Non-compliance with the rules may disqualify an entry. Please read the requirements thoroughly.

ACEC of Idaho/ACEC will not be responsible for any damage or loss to entrant’s official entry notebook, envelope, electronic media, supplementary report, or photographic display panel.

The ACEC of Idaho Engineering Excellence Awards committee reserves the right to determine the eligibility and category classification for all entries.

ACEC of Idaho Awards: A Grand Concept Award may come from any of the categories, and will be presented to the top winner. Honor Awards may be presented to other selected entries of superior quality. The top projects in the other categories may, upon the judges’ discretion, be designated as Grand Awards, in lieu of Honor Awards.

If the judges determine that no entry merits singling out within a category, all awards in that category will be Honor Awards. Firms submitting the winning entries will receive awards. Firms wanting awards for owners/clients and other participants on the winning design team may order duplicate awards at their expense. ACEC of Idaho Engineering Excellence awards will be presented at ACEC of Idaho’s EEA Luncheon **April 13, 2015**.

State winners may proceed to the ACEC National Competition (see additional requirements for ACEC).

CATEGORY G: Water Resources

- ◆ Hydraulics, hydrology
- ◆ Surface and groundwater supply development
- ◆ Treatment
- ◆ Transmission, distribution and storage
- ◆ Watershed Management
- ◆ Water use reduction
- ◆ Flood risk management
- ◆ Climate adaptation
- ◆ Coastal & eco-system restoration
- ◆ Locks/dams/water control structures
- ◆ Irrigation

CATEGORY H: Transportation

- ◆ Highways
- ◆ Rail
- ◆ Airports
- ◆ Marine/ports
- ◆ Public transit
- ◆ Intermodal facilities

CATEGORY I: Special Projects

- ◆ Safety and security
- ◆ Corrosion protection/cathodic protection
- ◆ Program and construction management
- ◆ Land development
- ◆ Trenchless technologies/directional boring
- ◆ Recreational facilities
- ◆ Subsurface engineering

CATEGORY J: Small Projects

- ◆ Total project construction budget does not exceed \$2.5 million (At the entrant’s discretion, except for entries in Category A, projects under \$2.5 million are not limited to this category.)

CATEGORY K: Energy

- ◆ Transmission and distribution
- ◆ Power generation
- ◆ Renewable energy
- ◆ Cogeneration
- ◆ Energy storage technologies
- ◆ Energy usage reduction programs
- ◆ Demand side management

CATEGORY L: Industrial & Manufacturing Processes and Facilities

- ◆ Petrochemical
- ◆ Biotech
- ◆ Manufacturing
- ◆ Heavy industry
- ◆ Industrial waste
- ◆ Materials handling
- ◆ Mining, metallurgy, mineralogy

Rating Guidelines for Judging

1. Uniqueness and/or innovative application of new or existing techniques.....	20%
2. Future value to the engineering profession and perception by the public.....	20%
3. Social, economic, and sustainable development considerations.....	20%
4. Complexity.....	20%
5. Successful fulfillment of client/owner needs.....	20%
Total	100%

Rating Guideline Definitions

1. Uniqueness and/or Innovative Application of New or Existing Techniques:

- ◆ Does the entry demonstrate the use of new science or breakthrough in the general knowledge of engineering?
- ◆ Does the entry represent a unique application of new or existing technology techniques, materials, or equipment?

2. Future Value to the Engineering Profession and Perception by the Public:

- ◆ Will the entry redefine current engineering thinking?
- ◆ Does the entry advance a positive public image of engineering excellence?

3. Social, Economic and Sustainable Development Considerations:

- ◆ Do the solutions identified produce secondary benefits of value to the community environment?
- ◆ Does the entrant's approach provide society with social, economic, or sustainable development benefits?
- ◆ Does the entrant's contribution to the project improve the health, safety, or welfare of the public or affected environment?

4. Complexity:

- ◆ Did the entry successfully address very complex criteria or unique problems?
- ◆ Were extraordinary problems of site, location, hazardous conditions, project requirements or similar elements present?
- ◆ Did the entry require the use of out-of-the-ordinary technology or ingenuity for achievement of the project's goals?

5. Exceeding Client/Owner Needs:

- ◆ Did the engineer or entrant successfully engage the client/owner in the overall project development process?
- ◆ Is it an economical and cost-effective solution?
- ◆ How did the final cost to the original budget relate to the original budget estimate?
- ◆ How closely does the entrant's solution meet the total goals of the client/owner?
- ◆ Did the entrant meet the client's time schedule?

PREPARING YOUR ENTRY

This section describes all required submission materials for entering the 2015 ACEC of Idaho EEA Competition. All materials must be submitted exactly as designated below. Digital files must be PC compatible and appropriate to the information being submitted (i.e. Microsoft Word for text, JPEGs for photos or other images, Adobe PDFs, etc.)

If the submission does not meet the requirements listed, it may be disqualified.

If any part of an entry does not meet requirements listed, that portion of the entry may not be presented for judging.

Extraneous material will be discarded prior to judging. Please follow the guidelines; no tabbed dividers, no extra pictures on the front or back covers; and no extra handouts are materials are permitted.

No reference to other awards is permitted in your submitted materials.

SUBMISSION REQUIREMENTS

The following **three main components must be submitted** with the ACEC of Idaho EEA competition entry:

I. Official Entry Form with USB Drive containing submission materials (with entry fee attached). Please note that if the firm goes onto submission at ACEC National level they will be required to also fill out official electronic entry form at www.acec.org/awardprograms/engineering-excellence-awards. No QR codes of embedded links are permitted in any portion of an award submission.

II. Envelope containing submission materials

III. Photographic Display Panel

JJJ.

I. OFFICIAL ENTRY (on USB Flash Drive—please test to make sure it is not machine dependent)

1. Official entry form (with entry fee attached, \$150 for ACEC of Idaho Members and \$300 for non-ACEC of Idaho Members)
2. Signed client/owner letter (1 page max)
3. Executive summary (1 page max)
4. Project description (5 pages max)
5. Key Participants
6. Six photos or graphics (w/ captions and labeled: Photo 1, Photo 2, etc.)
7. Photographic Display Panel (small version)
8. Supplementary Report— mandatory for Category A only
9. Media List, Excel file – National Application Only (2 pages max)

Details on Submission Materials

1. Completed **Official Entry Form**. The engineer or surveyor and client/owner **must sign the original official entry forms**, stating that the submitted project was substantially completed and ready for use between November 1, 2012 and October 31, 2014.
2. One-page signed **Client/Owner letter**, addressed to ACEC of Idaho describing the relationship the client/owner had with the entrant in development of the project and how it exceeded the client/owner needs.
3. **Executive Summary**- one page - 8.5" x 11" with 1" side margins; **minimum 12 pt. type**, double-spaced - describing the problem and solution. Project title and entry category must appear at the top of the page.
4. **Project Description**, not to exceed five pages - 8.5" x 11" with 1" side margins - addressing a, b, c, and d as listed below. Project title, category, and page number must appear at the top of each page. Entrant may use text (**minimum 12 pt.**), photos, graphs, etc.
 - a) Role of the entrant's firm in the project.
 - b) Role of other consultants participating in the project.
 - c) Brief description of the entrant's contribution to the project addressing each of the following rating guidelines:
 - Uniqueness and/or innovative application of new or existing techniques
 - Future value to the engineering profession and profession by the public.
 - Social, economic and sustainable design considerations
 - Complexity
 - Successful fulfillment owner/client needs. Include total project budgeted cost, total project actual cost, entrant's portion of the budgeted cost, entrant's portion of the actual cost, scheduled and actual date of completion information from the **official entry form**
 - d) **Summary**—Describe in at least 100 words, and in layman's terms, why this project is worthy of special recognition. Explain all the factors that comprise the project's uniqueness such as innovative engineering, challenges faced, and overall social impact. **Note: This description will provide the basis for all ACEC publicity on the project.**
5. **Key participants** on the project. Provide firm name, address, phone number, website and email address of each participant. Key participants should include contractors, subcontractors, other engineers, architects and other designers involved in the project.
6. **Six different photos or graphics** (18 total) of high quality 8" x 11" printed from digital files. All photographs or graphics must have captions (describe what the photo or graphic illustrates) on the back and labeled: Photo 1, Photo 2, etc. (include on CD-ROM: the required photos or graphics must be prepared as JPEGs, RGB, 300 dpi, sized to 7.5" x 10"; captions do not need to be included in the CD-ROM).

Photographic Guidelines

- a) Photographs will be projected on a large screen during award presentation. Therefore, it is extremely important to submit high-quality, high-resolution images.
 - b) Three of the photographs must be of the completed project and provide the highest level of visual impact for publicity.
 - c) Three of the photographs should display the planning, start-up, and/or construction phases of the project.
7. E-Mail Addresses of local newspapers, TV stations, and radio stations in Excel format . If the MO or the entrant intends to handle all local and national publicity for the project, include a statement to this effect. **(National application only)**
 9. Press release (up to two pages, double-spaced) clearly and concisely describing the project and the entrant's participation, reflecting on factors listed in point #4. In addition, indicate the value of the project to the community, identify the number of people served, cost savings, etc. No reference to other awards should be included in the submitted materials. **(National application only)**
 11. **Supplementary report** containing the findings portrayed with graphs, drawings, etc. *(mandatory for Category A entries only)*



2015 CALL FOR ENTRIES

PHOTOGRAPH DISPLAY PANEL

Panel text and photos should demonstrate the challenges, solutions, and innovative uniqueness of the key project elements. The panel should be prepared with **high-quality photos and graphics, with minimal text** (250 words maximum)

The photographic panel should meet the following requirements:

1. **PANEL SIZE:** Panel shall be 30" x 30" square display material, which has a matte finish and laminated over the front and back as follows:
 - a) front lamination is 5 mil;
 - b) back lamination is 5 mil; and
 - c) panel before lamination is no more than 5-6 mil for a total of 15-16 mil in thickness
 - d) Total panel (with lamination) thickness: 15-16 mil **NOTE: Framed or mounted panels will NOT be accepted.**
2. **VELCRO ATTACHMENTS:** Four, 9-inch long strips of Velcro (the hook side only) must be placed on the back of the panel, near each corner of the panel
3. **PHOTOS/GRAPHICS:** Maximum of six photos and/or graphics shall be used on the panel. Each image should be a minimum 7" x 5" or 35 sq. in. A background photo is not considered a photograph.
4. **TEXT/FONTS:** Panel text may not exceed **250 words total, not including captions.** Minimum 32 pt. type size for text or descriptions and a minimum 28 pt. type for captions and graphics.
5. **REQUIRED ELEMENTS:** ACEC of Idaho Logo (downloaded from ACEC website), title and location of the study or project, client/owner's name and location, and entering firm's name and location (minimum 32 pt. type) shall be indicated on the front of the panel.
6. **CORNER SPACE:** Leave 2" x 2" space in the upper right-hand corner of the panel that is free of text or images but carries the panel's background scheme through this space. This blank space should not be left as a white square. This space will be used for the national ACEC judging coding so any words or graphics in this area will be hidden once the panel is coded.
7. **BACK OF PANEL LABEL:** Add a label to the back of the panel with the name of the entrant's firm, the firm address, the project name, and the entry category.

Official Entry Form Comments: If your firm was responsible for the entire project, then the Entrant's portion of the Total Project Construction Budget should equal the Total Project Construction Budget. If you firm was not responsible for the entire project, then the Entrant's Portion of the Total Project Construction Budget should be the amount of the project construction budget your firm was responsible for. This information is about project costs, not firm fees.

Shipping of USB Drives and Panels

1. All panels must be shipped or delivered.
2. All materials should be addressed or delivered to:

ACEC of Idaho
5420 W. Franklin Rd., Ste. C
Boise, ID 83705



All items must be received no later than December 5, 2014.

NATIONAL ACEC Deadline is January 9, 2015.

Additional Requirements will apply ONLY if applying to ACEC National Competition
(See national application form—available at ACEC of Idaho office)

(Please call the ACEC of Idaho office for official ACEC requirements)

OFFICIAL ENTRY FORM—ACEC of Idaho

Furnish all information requested below for each entry (signatures by the submitting firms(s) and the client(s) are required). Firm, project, and client/owner's name should be typed or printed as they are to appear on the award. Please limit the project name to 45 characters. A fee of \$150 per entry for ACEC of Idaho Members (\$300 for non-members) must be attached to the copy of this form included in the Official Entry Notebook. **Please make checks payable to ACEC of Idaho.**

ABOUT THE PROJECT

Project Name _____

Judge this Entry in the Following Category (check *one*):

- | | |
|--|---|
| <input type="checkbox"/> A. Studies, Research and Consulting | <input type="checkbox"/> H. Transportation |
| <input type="checkbox"/> B. Building/Technology Systems | <input type="checkbox"/> I. Special Projects |
| <input type="checkbox"/> C. Structural Systems | <input type="checkbox"/> J. Small Projects |
| <input type="checkbox"/> D. Surveying and Mapping Technology | <input type="checkbox"/> K. Energy |
| <input type="checkbox"/> E. Environmental | <input type="checkbox"/> L. Industrial and Manufacturing Processes and Facilities |
| <input type="checkbox"/> F. Water and Storm Water | |
| <input type="checkbox"/> G. Water Resources | |

Project Location: City _____ **State** _____

U.S. Congressional Representative's name in district where entering firm is located _____

U.S. Congressional Representative's name in district where project is located _____

Member Organization Sponsoring Entry ACEC of Idaho

(Budgeted and/or actual costs may not apply to some studies in Category A)

Completion/Use dates: Scheduled _____ Actual _____

Category A costs: Budgeted \$ _____ Actual \$ _____

Construction Costs: Total Project Budget \$ _____ Total Project Actual \$ _____

Entrant's portion of the Total Project Budget \$ _____ Entrant's portion of Total Project Actual \$ _____

Check here if project was awarded through QBS process.

ABOUT THE FIRM(S) SUBMITTING THE PROJECT

Entering Firm(s) _____

Firm CEO _____

Firm Representative _____

If submitting a National applications you must be available by phone Wednesday January 21 in case any clarifications or additional information is required.

Address (no P.O. Box) _____ City _____ State _____ Zip _____

Phone(____) _____ Cell(____) _____ Fax(____) _____

E-mail _____

I hereby authorize submission of this project into American Council of Engineering Companies' 2015 Engineering Excellence Awards competition.

Senior Executive/Principal _____ Title _____

Signature _____ Date _____

Address (no P.O. Box) _____ City _____ State _____ Zip _____

Phone (____) _____ Fax(____) _____

E-mail _____

ABOUT THE CLIENT/OWNER(S) OF THE PROJECT

Client/Owner(s) _____

I currently believe the work of the engineer meets the intended uses and expectations for the project and hereby grant permission to enter this project in the ACEC 2015 Engineering Excellence Awards competition, and authorize publications of its outstanding features, unique aspects, or innovations. I confirm that the project was substantially completed and ready for use between November 1, 2012 and October 31, 2014.

Client/Owner Representative _____

Title _____ Signature _____ Date _____

Address (no P.O. Box) _____ City _____ State _____ Zip _____

Phone(____) _____ Fax(____) _____