

2020 Engineering Excellence Awards Call for Entries

ACEC NEW MEXICO DATES AND DEADLINES

Friday, November 15, 2019 by 2 PM

ACEC New Mexico EEA Entries Due

Tuesday, January 28, 2020 – ACEC New Mexico Luncheon

Announcement of ACEC New Mexico EEA Winners

Friday, March 27, 2020

ACEC New Mexico Annual Awards GALA

ACEC NATIONAL DATES AND DEADLINES

Friday, January 3, 2020

ACEC National EEA Entries Due

Tuesday, April 28, 2020

ACEC National EEA GALA, Washington, DC

The annual ACEC New Mexico Engineering Excellence Awards (EEA) recognizes engineering firms for projects that demonstrate a high degree of innovation, achievement, and value. 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. The ACEC New Mexico Annual Awards GALA, to be held on March 27, 2020, celebrates, with pride and elegance, the most outstanding achievements of the engineering profession.

ELIGIBILITY

Any engineering or surveying firm is eligible to enter the awards program, regardless of whether the firm is a member of ACEC. Projects entered in the competition may have been executed anywhere in the world.

GENERAL CRITERIA

1. Each entry should be submitted in accordance with ACEC New Mexico rules for the entry.
2. A firm may submit up to five entries.
3. Research and Studies (Category A) or Surveying and Mapping projects (Category D) must have been publicly disclosed by the client between November 1, 2017 and October 31, 2019. Construction of projects (Categories B through L with the exception of D) must have been substantially completed and ready for use between November 1, 2017 and October 31, 2019.
4. The entering firm must select the one category that 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.
5. Each entry must consist of three components: 1) **one** Official Entry Notebook and **three** duplicate notebooks (**four** total); 2) **four** CDs (one secured in each notebook so it will not fall out); and 3) **one 30" x 30"** Photographic Display Panel.
6. ACEC New Mexico will not be responsible for any damages to or loss of an entrant's Notebooks, CDs, and Photographic Display Panel.
7. The ACEC New Mexico EEA Committee reserves the right to determine, and to change if necessary, the eligibility and category classification of any entry.
8. ACEC New Mexico winners of the Grand Conceptor, Large Firm, and Small Firm Awards are eligible for the ACEC National competition.
9. All submitted materials become the property of ACEC New Mexico and may be used in publications, displays, and other promotional and educational materials.
10. Entry Fee (\$150 ACEC New Mexico Members, \$450 non-members; checks made out to ACEC New Mexico, P.O. Box 3773, Albuquerque, NM 87190-3773) must be attached to the Official Entry Form and included in the Official Entry Notebook.

DELIVERY

*Entry Notebooks and Display Panel must be delivered by
2:00 PM on Friday, November 15, 2019 to:*

**ACEC New Mexico, c/o Bohannon Huston
7500 Jefferson NE, Albuquerque, NM 87109;**

For directions or if you have any questions, please call (505) 888-6161.

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JUDGING/AWARDS

Judges, whose decisions on all awards are final, may grant the following awards at their discretion: one Grand Conceptor Award, one Large Firm Award, and one Small Firm Award. Category Awards and Honorable Mentions will also be selected. The Grand Conceptor may be selected from any category and will be recognized as the highest ACEC New Mexico winner. **All winning projects will be recognized and celebrated at the ACEC New Mexico Annual Awards GALA.**

RATING GUIDELINES FOR JUDGING

Entries will be judged on the basis of overall engineering excellence in each of the 12 categories; on the basis of the work performed by the entering firm only; and according to the Rating Guidelines for Judging listed to the right. Winners will be announced at the January 28, 2020 ACEC New Mexico Monthly Membership Meeting. Winners of the top three awards will also be notified in time to submit their projects to the ACEC National Competition by the deadline date of January 3, 2020, if they so desire.

20%	Uniqueness and/or Innovative Applications of New or Existing Techniques
20%	Future Value to the Engineering Profession and Enhanced Public Awareness/Enthusiasm of the Role of Engineering
20%	Social, Economic, and Sustainable Development Considerations
20%	Complexity
20%	<u>Successful Fulfillment of Client/Owner Needs</u>
100%	Total

RATING GUIDELINE DEFINITIONS

1. **Uniqueness and/or Innovative Applications of New or Existing Techniques:**
 - Does the entrant’s contribution to the project demonstrate the use of a new science or a breakthrough in the general knowledge of engineering?
 - Does the entrant’s contribution to the project represent a unique application of new or existing technology, techniques, materials, or equipment?
2. **Future Value to the Engineering Profession and Enhanced Public Awareness/Enthusiasm of the Role of Engineering:**
 - Will the entrant’s contribution to the project redefine current engineering thinking?
 - Does the entrant’s project increase public awareness/enthusiasm about the role of engineering in their everyday lives?
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 entrant’s efforts successfully address highly complex criteria or unique problems?
 - Were extraordinary problems of site, location, hazardous conditions, project requirements, or similar elements present?
 - Did the entrant’s solutions require the use of out-of-the-ordinary technology or ingenuity for achievement of the project’s goals?
5. **Successful Fulfillment of Client/Owner Needs:**
 - Did the entrant successfully engage the client/owner in the overall project development process?
 - Did the entrant introduce an economical and cost-effective solution?
 - How did the final cost 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?

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CALL FOR ENTRIES – CATEGORIES

CATEGORY A – Studies, Research, and Consulting Engineering Services

Non-design services, projects not involving the preparation of construction documents consisting of, but not limited to, the following types of projects: 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 studies/economic/risk; 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; Tunnels; Buildings; Seismic design; Towers; Bridges; Stadiums

CATEGORY D – Surveying and Mapping Technology

Geometrics, ALTA, land title and rights surveys; Control, GPS, monitoring, or construction surveying; Survey mapping, GIS/LIS, photogrammetry

CATEGORY E – Environmental

Hazardous waste; Solid waste; Restoration/reclamation/remediation; Air quality; Noise; Recycling; Waste pond management; Carbon sequestration and trading; Mitigation

CATEGORY F – Water and Storm Water

Wastewater collection/treatment and disposal; Residuals management and reuse; Graywater systems; CSOs; Mine tailings; Agricultural; Storm water management; Erosion control

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 and 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 \$1 million. At the entrant's discretion, except for entries in Category A, projects under \$1 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 and Manufacturing Processes and Facilities

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

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OFFICIAL ENTRY NOTEBOOK REQUIREMENTS

Submit **one** Official Entry Notebook and **three** duplicate notebooks containing copies of information in the Official Entry Notebook (3-ring, 1/2" binders). All notebooks must contain the following:

1. **Official Entry Form** (with entry fee [check made out to ACEC New Mexico, P.O. Box 3773, Albuquerque, NM 87190-3773] attached) – Original completed Official Entry Form must be signed by both the entrant and client/owner. Include on CD.
2. **Signed Client/Owner Letter** – One page max. Addressed to ACEC New Mexico, P.O. Box 3773, Albuquerque, NM 87190-3773, describing the relationship of the client/owner and entrant in the development of the project and how it exceeded the client/owner's needs. Include on CD. *Specifications:* PDF format.
3. **Executive Summary** – One page max. Overview of project. Describe the problem and solution. Project title and entry category must appear at the top of the page. Include on CD. *Specifications:* 8.5" x 11" with 1" side margins; single-spaced text; minimum 12 pt. font; PDF or Word format.
4. **Project Description** – Five pages max. Tell the story of the project. Address items a, b, c, and d as listed below. Project title, entry category, and page number must appear at the top of each page. Entrants may use text, photos, graphics, or charts as needed. Include on CD. *Specifications:* 8.5" x 11" with 1" margins; single-spaced text; minimum 12 pt. font; PDF or Word format.
 - a. **Role of entrant's firm** in the project.
 - b. **Role of other consultants** participating in the project.
 - c. **Entrant's contribution to the project** addressing each of the Rating Guidelines on page 2 for detailed rating, judging, and weighting information. Include total project budgeted cost, total project actual cost, entrant's portion of the budgeted cost and of the actual cost, and scheduled and actual date of completion as indicated on the Official Entry Form.
 - d. **Summary:** Describe in 100-500 words, and in layman's terms, why this project is worthy of special recognition. Explain all factors that comprise the project's uniqueness and complexity, such as innovative engineering, challenges faced, and overall social impact.
5. **Key Participants** – Include firm name, address, phone number, website, and e-mail address of each participant. Include contractors, subcontractors, other engineers, architects, and designers involved in the project. *Specifications:* 8.5" x 11" with 1" margins; single-spaced text; minimum 12 pt. font; PDF or Word format.
6. **Photos or Graphics** – Six different photos or graphics (one per 8.5" x 11" page) with captions describing the subject matter. Captions shall begin with Photo 1, Photo 2, etc. Include on CD. *Specifications:* JPEG file, RGB format, high resolution (300 dpi).
7. **Abstract** – Describe how the project demonstrates a high degree of innovation, achievement, and value. Include on CD. Abstract should include the project title, entrant's complete legal name, and client/owner's complete legal name. (The project title and firm and client/owner information will not be counted toward the 150 project description word limit.) Information will be used for award plaques and in the Annual Awards GALA presentation and program. ACEC New Mexico will not be responsible for erroneous or incomplete information. *Specifications:* 8.5" x 11" with 1" margins; minimum 12 pt. font; 150 words or less; Word format.
8. **Photographic Display Panel** – Small-size copy of the Photographic Display Panel. Include on CD. *Specifications:* JPEG file, RGB format, high resolution (300 dpi).

Please organize the CD with individual files labeled 1-8 as above. The different photos/graphics also need to be individual JPEG files. Do not include all requirements (1-8) in one PDF file. Ensure each CD is secured inside a plastic sleeve or in the front pocket with tape of each notebook so they do not fall out.

PHOTOGRAPHIC DISPLAY PANEL REQUIREMENTS

1. Panel text and photos should demonstrate the challenges, solutions, innovation, complexity, and unique aspects of key project elements. The panel should be prepared with high-quality photos and graphics with minimal text.
2. Photographic panel requirements:
 - a. Panel size shall be 30" x 30" square, with a **matte** finish, and mounted on 3/16" **gatorboard**. Do not frame panels.
 - b. Maximum of six photos and/or graphics shall be used on the panel. Each image shall be a minimum of 7" x 5" or 35 sq. in. A background photo is not considered a photograph.
 - c. 250 words max., not including captions. Minimum 32 pt. type for text or descriptions; minimum 28 pt. type for captions and graphics.

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Furnish all information requested below for each entry (signatures by the submitting firm(s) and the client(s)/owner(s) are required). **Firm, project, and client/owner's name(s) should be typed or printed as they are to appear on the award.** Please limit the project name to 45 characters.

ABOUT THE PROJECT

Project Name _____

Category letter and description (see page 3 of the Call for Entries) _____

Project Location: City (or location) _____ State _____

NM State Senator(s)/Representative(s) in the district(s) where entering firm is located _____

NM State Senator(s)/Representative(s) in the district(s) where project is located _____

What was the Entrant's Role in the project? _____

Completion/Use Dates: Scheduled _____ Actual _____

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

Category A & D Costs: Budgeted \$ _____ Actual \$ _____

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

Entrant's Portion of Total Construction Budget \$ _____ Total Construction Actual \$ _____

____ Check if project was awarded through QBS process.

ABOUT THE FIRM(S) SUBMITTING THE PROJECT

Entering Firm(s) _____

Firm CEO _____

Firm Representative _____

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

Phone _____ Cell _____ E-mail _____

I hereby authorize submission of this project into the ACEC New Mexico Engineering Excellence Awards competition.

Senior Executive/Principal _____ Title _____

Signature _____ Date _____

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

Phone _____ E-mail _____

ABOUT THE CLIENT/OWNER(S) OF THE PROJECT

Client/Owner(s) *(list both if different)* _____

I 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 New Mexico Engineering Excellence Awards Competition and authorize publication of its outstanding features, unique aspects, and/or innovations. I confirm that the project was substantially completed and ready for use between November 1, 2017 and October 31, 2019.

Client/Owner Representative _____ Title _____

Signature _____ Date _____

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

Phone _____ E-mail _____

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These Helpful Hints are for ACEC New Mexico EEA Submittals only:

- Clearly mark the Original binder on the cover.
- On the **Official Entry Form**, with the exception of Category A and some Category D projects, costs reflected below are always construction costs and are NOT engineering fees. If your firm was responsible for the entire engineering-design of the project, then the *Entrant's Portion of the Total Construction Budget* amount and the *Entrant's Portion of the Total Construction Actual Cost* amount will be the same as the *Total Construction Budget* amount and *Total Construction Actual Cost* amount. If your firm was not responsible for the entire engineering-design of the project, then the *Entrant's Portion of the Total Construction Budget* amount and the *Entrant's Portion of the Total Construction Actual Cost* amount should be the part of total project construction cost your firm was responsible for. (i.e. a mechanical engineering firm was responsible for \$12M of a total Construction budget of \$40M. \$12M is the *Entrant's Portion of the Total Construction Budget*. \$40M is the *Total Construction Budget*)
- Organize the CD with individual files labeled 1-8 as below:
 1. **Official Entry Form**
 2. **Signed Client/Owner Letter**
 3. **Executive Summary**
 4. **Project Description**
 5. **Key Participants**
 6. **Photos or Graphics** (The different photos/graphics will also be individual JPEG files. *Specifications:* JPEG file, RGB format, high resolution (300 dpi).)
 7. **Abstract**
 8. **Photographic Display Panel** (Small-size copy of the Photographic Display Panel. *Specifications:* JPEG file, RGB format, high resolution (300 dpi). Can be printed on regular 8.5" x 11" paper.

Do not include all requirements (1-8) in one PDF file.

- Secure one CD in each binder by using tape or by inserting it into a CD sleeve attached to the binder.
- The **Photos or Graphics** included in the Notebooks do not need to be originals. They can be high-quality prints.
- The **Photographic Display Panel** should have a matte finish. It does not need to be laminated. Mount the Panel on gatorboard to help prevent it from warping.
- **Save the digital file of your Photographic Display Panel as a JPEG file at 300 dpi and sized at 8" x 8" on the CD as a separate file.**
- Look up your NM State Senator(s)/Representative(s) here:
https://www.nmlegis.gov/Members/Find_My_Legislator
- Serif fonts (like Times New Roman) always appear smaller in size than sans-serif fonts (like Arial).
- If you have multiple submittals, please feel free to include only one check for all submittals. Place this check in one of the original binders.