



2020 ENGINEERING
EXCELLENCE AWARDS

CALL FOR ENTRIES

BY THE AMERICAN COUNCIL OF
ENGINEERING COMPANIES OF ARKANSAS



CALL FOR ENTRIES

2020 ENGINEERING EXCELLENCE AWARDS

ACHIEVING RECOGNITION

ACEC/A's 2020 Engineering Excellence Awards competition offers the opportunity to showcase the year's best engineering achievements to an audience of clients, peers, and decision-makers at all levels. The EEA Banquet celebrates, with pride and elegance, the outstanding achievements of the engineering profession.

ENGINEERING EXCELLENCE

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

Again this year, engineering firms are entering their most innovative projects and studies for the state competition conducted by the American Council of Engineering Companies of Arkansas (ACEC/A).

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; Water and Wastewater; Water Resources; Transportation; Special Projects; Small Projects, Industrial and Manufacturing Processes and Facilities; and Energy.

Awards are given for large projects with construction costs greater than or equal to \$500,000 and one for small projects with construction costs less than \$500,000 for each of the categories except Category A.

Project entries must be designed by engineers located in Arkansas. A distinguished panel is convened to judge the projects. These professionals may have backgrounds in engineering, architecture, state and federal government, media, academe, and military. The panel evaluates projects for engineering excellence and then selects winners for each subcategory. One Grand Conceptor Award is chosen from among the other award winners.

All submitted projects are rated on the basis of uniqueness and originality; future value to the engineering profession; social, economic, and sustainable development considerations; complexity; and successful fulfillment of the client/owner's needs, including schedule and budget.

ACEC/A's Engineering Excellence Awards provide firms an opportunity to obtain statewide recognition and to showcase their talent and expertise at a prestigious awards ceremony.



**2019 GRAND
CONCEPTOR**
WEYERHAEUSER SAWMILL
DIERKS, AR

ELIGIBILITY

Any Arkansas engineering or surveying firm, or any firm joint venturing with an Arkansas firm, is eligible to enter the awards program, whether or not the firm is a member of ACEC/A.

JUDGING

Entries are judged on the basis of overall engineering excellence in each of 10 categories. Entries are judged on the basis of the work performed by the entering firm according to the rating guidelines listed. Winners are notified prior to the EEA Banquet, except for the Grand Conceptor Award, which will be announced at the banquet.

AWARDS

The panel of judges may grant up to 19 awards, two in each category (except in Category A), and one Grand Conceptor Award, at its discretion. The Grand Conceptor may come from any of the twelve categories and will be presented as the top state winner selected by the judges, whose decisions on all awards are final. Awards will be presented to the clients/owners and the entering firm submitting the winning entries.

*Please note that these requirements are for the state competition, which closely reflect national requirements. If you choose to submit your project for national competition, there is a separate brochure and entry form.

PUBLICITY

The public relations and marketing value of participation in the state Engineering Excellence Awards program is considerable. All state winners are highlighted in the Arkansas Professional Engineer magazine. Each entry is recognized at the awards banquet. The ACEC/A staff contacts the local media to announce winners and their awards. Winners are also published on the ACEC/A website at www.ArkansasEngineers.com/acec/.

CATEGORIES

There is a small and large project entry level for each category, except project Category A, which has no project size criteria. The small project subcategory is for projects with a construction costs below \$500,000.

This year, entrants will receive a \$100 discount for submitting in the small projects subcategory.

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2020 ENGINEERING EXCELLENCE AWARDS

RATING
GUIDELINES
FOR JUDGES

25% Original or innovative application of new or existing techniques

20% Future value to the engineering profession and perception by the public

15% Social, economic, and sustainable design considerations

20% Complexity

20% Exceeding client/owner needs

100% Total

DEFINITIONS OF RATING GUIDELINES

1. Original or innovative application of new or existing techniques:

Does the entry demonstrate use of a new science or a 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:

Does the entry advance the state of the engineer's art?

Does the entry advance a positive public image of engineering excellence?

3. Social, economic, and sustainable design 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-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?

Does the entry comply with and justify its original concept?

Is it an economic and cost-effective solution?

How did final cost relate to 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?

CATEGORY A



Studies, Research, and Consulting

Non-design services including, but not limited to:

- New Products, Materials, and Technologies
- Expert Testimony
- Basic Research and Studies
- Computer/Software Technology
- Technical Papers

None of the projects entered in Category A are involved with the preparation of construction documents.

CATEGORY B



Building/Technology Systems

- Mechanical/Electrical
- Computer/Technology
- Communications
- Acoustics
- Software Systems

CATEGORY C



Structural Systems

- Foundations
- Tunnels
- Buildings
- Seismic Design
- Towers
- Bridges
- Sports Facilities

CATEGORY D



Surveying and Mapping Technology

- Geometrics, ALTA, Land Title, and Rights Surveys
- Control, GPS, Monitoring, or Construction Surveying
- Survey Mapping, GIS/LIS, and Photogrammetry

CATEGORY E



Environmental

- Hazardous Waste
- Solid Waste
- Restoration/Reclamation
- Air Quality
- Noise

CATEGORY F



Water and Wastewater

- Water Supply/Distribution/Treatment
- Wastewater Collection/Treatment and Disposal
- Industrial Waste
- Residuals Management

CATEGORY G



Water Resources

- Hydraulics and Hydrology
- Irrigation
- Storm Water Management
- Erosion Control
- Recreational Facilities
- Flood Control and Dams

CATEGORY H



Transportation

- Highways
- Railroads
- Airports
- Marine/Ports
- Public Transit
- Freight
- Intermodal Facilities

CATEGORY I



Special Projects

- Safety and Security
- Energy Production/Conservation
- Oil and Gas
- Nuclear
- Industrial Processes/Materials Handling
- Mining, Metallurgy, and Mineralogy
- Corrosion Protection
- Program and Construction Management
- Land Development

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 Efficiency - New and Retrofit
- 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

SUBMISSION REQUIREMENTS

This section describes all required submission materials for entering the 2020 ACEC/A Engineering Excellence Awards competition. Print and digital submissions are required for each entry, and all materials must be submitted as designated below.

*Must turn in **BOTH** print and digital submissions by the January 3, 2020 deadline.

Print Submissions

- Send to: ACEC
Attn: Angie W. Cooper, 9 Shackleford Plaza #1,
Little Rock, AR 72211
- **Project information Submittal:** Should be bound and contain one copy of all sections (1-5) of the project information submittal.
 - **Photographic Display Panel**
 - **Project Fee**

Digital Submissions

- Uploaded to: eea.arkansasengineers.com
- **Project Information Submittal:** 1 PDF that contains all sections (1-5, as described below) of the project information submittal.
 - **Project Photography**

PROJECT INFORMATION SUBMITTAL

Both print and digital versions are required for this section.
See “Submission Requirements” for digital and print details.

- 1. Official Entry** The engineer or surveyor and client/owner must all sign the original Official Entry Form stating that the submitted project was substantially completed and ready for use between **November 1, 2017 and October 31, 2019**. The entry fee needs to be attached to the original Official Entry Form.

2. Executive Summary (One page: 8.5” x 11” with 1” side margins) describing the problem and solution. Project title and entry category must appear at the top of the page.

3. Project Description Five pages or less (8.5” x 11”) addressing a, b, and c as listed below. The project title, category, and page number should appear at the top of each page. Entrants may use text (minimum 12 point), photos, graphics, etc.

 - a. Role of 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 as an example:
 - Original or innovative application of new or existing techniques
 - Future value to the engineering profession
 - Social, economic, and sustainable design considerations
 - Complexity
 - Exceeding client/owner needs. Include actual cost and actual date of completion information from the Official Entry Form.

4. 200-word project summary

5. Key participants List the key participants of the project such as contractors, subcontractors, other engineers, architects, and designers involved. Include firm name, address, phone number, and an email address of each participant

OFFICERS 2019 – 2020

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ENGINEERING EXCELLENCE AWARDS COMMITTEE MEMBERS

Chair: Jamie White Garver North Little Rock, AR	Holly Veatch B & F Engineering Little Rock, AR	Travis Tolley, PE Crafton Tull Little Rock, AR
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PHOTOGRAPHIC DISPLAY PANEL

Panels will be displayed for the judges and at the awards banquet. Panel text and photos should demonstrate the challenges, solutions, and innovative uniqueness of key project elements. The panel should be prepared with high-quality photos and graphics, with minimal text. The panel should be 30” x 30” and laminated or otherwise protected. Foam core backing is acceptable.

- Unlimited number of photographic images may be used on the panel.
- Please use 24 point type or larger for text and/or descriptions.
- Title and location of the study or project, client/owner’s name and location, and entering firm’s name and location (minimum 24 point type) should be shown on the front of the panel. Additional reference to the firm’s name may be made within the text on the panel. The firm name, the project name, and the category shall be indicated on the back of the panel.

IMPORTANT DATES TO REMEMBER

January 3, 2020

Submitted materials to compete in state EEA competition must be received at ACEC/A. Deadline to submit for nationals is January 3.

February 2020

Judging will be held.

March 5, 2020

Winners will be announced during the Engineering Excellence Awards.

All materials submitted for judging in the state competition become the property of ACEC/A and may be used in future publications.

Furnish all information requested below for each entry. Firm, project and client typed or printed as they are to appear on the award. Please limit the project name to 35 characters. A fee of \$300 per entry for ACEC/A members (\$600 for non-ACEC/A members) must accompany this form. Make checks payable to ACEC/A. (Small project entries are \$200 for members and \$500 for non-members)

ABOUT THE PROJECT

Project Name (Limit: 35 Characters) _____

Judge the Entry in the Following Category (check one): ☐ Small Entry Level ☐ Large Entry Level

☐ A. Studies, Research, and Consulting Engineering Services

☐ E. Environmental

☐ I. Special Projects

☐ B. Building/Technology Systems

☐ F. Water and Wastewater

☐ J. Small Projects

☐ C. Structural Systems

☐ G. Water Resources

☐ K. Energy

☐ D. Surveying and Mapping Technology

☐ H. Transportation

☐ L. Industrial and Manufacturing Processes and Facilities

Project Location: Address (no P.O. Boxes) _____

City _____ State _____ Zip _____

Complete Relative to the Entrant's Portion of the Project: (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: Budgeted \$ _____ Actual _____

ABOUT THE FIRM(S) SUBMITTING THE PROJECT

Entering Firm(s) _____

Firm Representative _____ Title of Representative _____

Address (no P.O. Boxes) _____

City _____ State _____ Zip _____

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

Email _____

I hereby authorize submission of this project in the American Council of Engineering Companies of Arkansas' 2020 ACEC/A Engineering Excellence Awards competition.

Senior Executive/Principal _____ Title _____

Signature _____ Date _____

Address (no P.O. Boxes) _____

City _____ State _____ Zip _____

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

Email _____

ABOUT THE CLIENT/OWNER(S) SUBMITTING 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/A 2020 Engineering Excellence Awards competition, and authorize publication of its outstanding features, unique aspects, 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. Boxes) _____

City _____ State _____ Zip _____

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

Email _____

*Must turn in **BOTH** print and digital submissions.

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• **Project Photography**

The logo for ACEC Arkansas, featuring the text "ACEC" in a bold, serif font, followed by "Arkansas" in a script font, with a stylized orange arc above the text.