



Florida Institute of Consulting Engineers

AMERICAN COUNCIL OF ENGINEERING COMPANIES OF FLORIDA

PROFESSIONAL ENGINEERS IN PRIVATE PRACTICE OF FLORIDA

# 2018 Call for Entries

## ENGINEERING EXCELLENCE AWARDS



FICE • 125 South Gadsden Street • Tallahassee, FL 32301

# 2018 Call for Entries

## ENGINEERING EXCELLENCE AWARDS

**G**ain the exposure your firm deserves for innovative engineering projects by entering the Florida Institute of Consulting Engineers (FICE) Engineering Excellence Awards (EEA) competition. For a modest investment in materials and time, you can produce a marketing tool that will augment your business development efforts. FICE enhances your efforts through its public relations campaigns on behalf of all participants.

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

For more than 50 years, hundreds of consulting engineering firms have entered their most innovative projects and studies in state competitions. Finalists move on to the national competition in Washington, D.C.

Firms who earn an award in the FICE EEA competition achieve a win/win result: winners receive exclusive acknowledgement at the annual FICE Banquet during the FES/FICE Annual Summer Conference and Exposition. While participation in the EEA competition generates excitement for consulting engineers and their staff, the honor contributes to client appreciation and business development efforts.

## 2018 FICE ENGINEERING EXCELLENCE AWARDS

Presented by the Florida Institute of Consulting Engineers

### ELIGIBILITY

Any Florida firm engaged primarily in the practice of consulting engineering and registered with the Florida Board of Professional Engineers is eligible to enter.



### GENERAL CRITERIA

- 1 Each entry must address four components: (1) Official Entry Form; (2) Client/Owner Letter; (3) Executive Summary; and (4) CD with PowerPoint Presentation. Non-compliance with these requirements will automatically disqualify an entry. Please read all requirements carefully.
- 2 Submit your entry in any one of the 13 categories (listed on page 3). The entering firm must select the one category that is most appropriate. A project may be entered only once in a category. However, after a project entered in Category A has been constructed, it may be entered in a different category (B through M) in the year when eligible.

3 You may enter award-winning engineering achievements from other design award competitions.

4 You may enter any project executed from a Florida office. The client must have publicly disclosed Studies and Research (Category A) between November 1, 2015 and October 31, 2017. Eligible construction projects (Categories B through M with exception of D) include those substantially completed and ready for use between November 1, 2015 and October 31, 2017.

5 Firms wishing to participate in the national ACEC Engineering Excellence Awards competition *must* compete for and win a Grand Award in the FICE state competition.

## CATEGORIES

### CATEGORY A:

#### Studies, Research and Consulting

Non-design services, 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 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 Stormwater

- Wastewater collection/treatment and disposal
- Residuals management and reuse
- Graywater systems
- CSOs
- Mine tailings
- Agricultural
- Stormwater management
- Erosion control

### CATEGORY G:

#### Water Resources

- Hydraulics, hydrology
- Surface and groundwater supply development
- Treatment
- Transmission, distribution & 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
- 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 and Manufacturing Processes and Facilities

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

### CATEGORY M:

#### Geotechnical Engineering

- Shallow and deep foundations (buildings and roadways)
- Dams, levees and earthen structures
- Retaining walls, MSE walls and other retaining structures
- Municipal and industrial landfills
- Ground improvement and remediation
- Geo-environmental studies
- Pavement design and analysis
- Construction materials testing and inspection

6 FICE streamlined its submission rules (1) to attract all projects worthy of consideration for an Engineering Excellence Award and (2) to ensure that jury members have adequate time to evaluate each entry. Firms whose projects are selected as FICE Grand Award winners must then complete a more thorough ACEC submission for consideration in the ACEC Engineering Excellence Awards program. Neither FICE nor ACEC takes responsibility for any damage or loss to an entry once FICE has received it. Participation in the ACEC Engineering Excellence Awards program is optional for all Grand Award recipients. The entry process requires additional application fees.



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## JUDGING

Judges will use the rating guidelines listed to evaluate entries for overall engineering excellence in each of 13 categories. FICE will notify winners.

## AWARDS

At their discretion, the judges may award a FICE Engineering Excellence Grand Award in each category depending upon the number of entries received. The judges may also award a Florida Grand Conceptor Award to one Grand Award project they deem best overall engineering achievement. FICE Grand Award winners and their clients will receive framed certificates. Winning projects and their firms will receive recognition at a special awards ceremony during the Annual FICE Banquet. This event honors the partnerships between engineers and clients. FICE will announce the Grand Conceptor Award at the awards ceremony. Award winners can order duplicate certificates or awards from FICE at their expense.

## PUBLICITY

FICE values your participation in the EEA program. Besides gaining recognition and prestige among peers, winning firms can derive considerable public relations and marketing benefits from these activities.

FICE will send news releases to local media and to local, state, and national business and engineering publications. Winning projects will also receive featured space in the *FES Journal*, *FICE Update*, and website.

## Questions?

Contact Chad Faison

Phone: 850-224-7121

Email: [cfaison@fleng.org](mailto:cfaison@fleng.org)

# DEFINITIONS OF RATING GUIDELINE

## 1 ORIGINAL OR INNOVATIVE APPLICATION OF NEW OR EXISTING TECHNIQUES ..... 20%

- 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 different technology techniques, materials, or equipment?

## 2 FUTURE VALUE TO THE ENGINEERING PROFESSION AND PERCEPTION BY THE PUBLIC..... 20%

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

## 3 SOCIAL, ECONOMIC, AND SUSTAINABLE DESIGN CONSIDERATIONS..... 20%

- Do the solutions identified produce secondary benefits of the 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 ..... 20%

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

## 5 EXCEEDING CLIENT/OWNER NEEDS ..... 20%

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



Images shown above are from the 2017 FICE/ACEC of Florida Grand Conceptor Award Winner --- CDM Smith, Inc. for the Palm Beach County Renewable Energy Facility No. 2 (PBREF No. 2) for the Solid Waste Authority of Palm Beach County, FL.

### Preparing Your Entry for Submission to the 2018 FICE Engineering Excellence Awards Competition

**T**his section describes all submission materials required to enter the FICE EEA competition. Submitted digital materials (PC-compatible) must adhere to the following criteria. FICE will not forward to judges extraneous materials or materials that do not meet submission requirements. Submitted materials may not reference other awards.



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## SUBMISSION REQUIREMENTS

### INTENT TO ENTER FORM & ENTRY FEE

Entrants must complete an Intent to Enter Form and submit to FICE with the proper entry fee—\$650 for FICE members and \$1,300 for non-FICE members. If a non-FICE firm decides to join FICE, \$500 of the entry fee will go toward membership dues. Membership dues are based on the number of full-time employess in Florida. The price of membership dues may be more than \$500.

### COMPETITION ENTRY

1. Official Entry Form
2. Owner/Client Letter
3. Executive Summary
4. CD with PowerPoint presentation

*Note: In addition to these four components, entries in Category A must also submit one copy of a Supplementary Report containing findings portaaayed with fraphs, drawings, etc.*

### OFFICIAL ENTRY

Specific instructions for the four main componants follow.

1. Completed **Official Entry Form**. The engineer or surveyor and client/owner must sign *all* the Official Entry Form verifying the submitted project's substantial completion date occurs between November 1, 2015 and October 31, 2017.

*Note: This is the ONLY item that will list firm name(s) of the consultant or subconsultants.*

2. A one-page original **Client/Owner Letter**, addressed to FICE by the client. This letter must describe the relationship the client/owner had with the entrant in development of the project and how it exceeded the client/owner's needs. Include original and 10 copies of the letter.

*Note: Do not have your client mention your firm's name or include any graphics in the client/owner letter.*

3. Original and 10 copies of an **Executive Summary** – one page; 8.5" x 11" with 1" side margins; double-spaced (minimum 12 point type). The summary must describe the problem and solution in text format. Project title and entry category must appear at the top of the page.

*Note: Do not mention your firm's name or include any graphics in the Executive Summary.*

4. Two copies of a **PowerPoint presentation** on a read-only CD-ROM (CD-R). Disk labels must include only the project name and the category. Test CDs on different computers to ensure compatibility with other machinces. The PowerPoint presentation, not to exceed 15 slides (FICE will discard additional slides), must address A, B, and C as listed below.

Project title and category must appear at the top of each slide. Entrant may use text (minimum 12 point), photos, graphs, etc. Include at least six different photographs or graphics to illustrate the project components. **Three of the photographs must highlight the completed project and provide the highest level of visual impact for publicity.** Three of the photographs should display the planning, start-up, and/or construction phases of the project.

- a. Role of entrant's firm in the project.
- b. Role of other consultants participating in project.
  - List types of subconsultants who performed a substantial portion of the work on this project or who performed innovative techniques that may have been integral in its success.
  - Subconsultant's names should be listed on the entry form only. Do *not* list on the executive summary, client/owner letter, or PowerPoint presentation.
- c. Brief description of the entrant's contribution to the project addressing each of the following:
  - 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 budgeted cost, actual cost, scheduled and actual date of completion information from the Official Entry Form.

*Note: Do not list any firm name(s) of the consultant or subconsultants, or include consultant or subconsultant logos or recognizable people.*



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# IMPORTANT DATES TO REMEMBER

**September 15, 2017**

Submission of Intent to Enter Form due to FICE

**October 13, 2017**

Materials due to FICE

**December 2017**

FICE Judging Results Available

**January 5, 2018**

Submission of Materials due to ACEC by Winning Firms

**April 17, 2018**

ACEC Awards Presentation in Washington, D.C.

**August 2-4, 2018**

FICE Awards Presentation

## INTENT TO ENTER

### 2017 FICE ENGINEERING EXCELLENCE AWARDS \* INTENT TO ENTER

Complete this form, enclose a check for the proper entry fee, and return to FICE **before September 15, 2017.**

Attach a non-refundable fee of

- \$650 per entry for FICE members
- \$1,300 per entry for non-FICE members

Make check payable to "Florida Institute of Consulting Engineers EEA Entry." For more information, contact FICE at 850-224-7121.

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State Zip

\_\_\_\_\_  
Telephone Email

\_\_\_\_\_  
Name of Contact Entering Project

\_\_\_\_\_  
Client's Name

\_\_\_\_\_  
Name of Project

\_\_\_\_\_  
Location of Project

\_\_\_\_\_  
Category Entered (Letter)

Mail to:  
 FICE Engineering Excellence Awards  
 Attn: Chad Faison  
 125 South Gadsden Street  
 Tallahassee, FL 32301-1525

