



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

Connection

Linking You With the Florida Board's Latest Engineering News and Information

October 2025

From the Executive Director: Regulation in the AI Era

By **Zana Raybon**, FBPE Executive Director & FEMC President

Artificial intelligence, remote work, and digital transformation are changing engineering in ways that Florida's current regulatory framework wasn't built to handle.

Licensure has always existed to protect the public and uphold professional standards, but today's technologies and global practices are testing those traditional models.

AI-powered tools can now perform tasks from load calculations to predictive maintenance. These tools save time, but they also raise tough questions: If an AI-generated design fails, who is responsible?

Can an engineer truly "review and approve" something produced by an algorithm?

Florida law is clear: Only a licensed Professional Engineer in responsible charge can take responsibility for engineering work. That means AI can assist your work, but it cannot replace your professional judgment or accountability. As the tools evolve faster than the rules, PEs must use them carefully.

Engineering is no longer confined to a single office — or even a single country. It's common for Florida firms to outsource technical work to out-of-state or overseas teams. But Chapter 471, Florida Statutes, requires that all engineering services offered to the public in this state be performed under the responsible charge of a Florida PE.

That means even if drafting or analysis is done elsewhere, a Florida-licensed engineer must review, oversee, and seal the final work. In today's hybrid, global model, ensuring compliance has never been more challenging.

For years, FBPE has allowed electronic sealing and signing of engineering documents. With remote work now standard, the risk of misuse has grown. Stamping drawings without meaningful oversight isn't just a shortcut; it's a legal and ethical risk.

Meanwhile, engineers are increasingly designing systems that are exposed to cyberattacks, ranging from infrastructure controls to smart building systems. Yet cybersecurity remains largely outside the scope of Florida's current engineering codes and licensure requirements.

Regulatory bodies, such as FBPE and NCEES, are beginning to study how AI, digital workflows, and globalized workforces are impacting the profession. But innovation is moving faster than regulation. For Florida PEs, the best way to prepare is to stay informed, not just on engineering fundamentals, but also on the legal, ethical, and technological issues shaping the profession.



Continuing education can help bridge the gap. The [Murdough Center for Engineering Professionalism at Texas Tech](#), for example, now offers courses on AI ethics in engineering, exploring the intersection of artificial intelligence and professional responsibility.

Your license is more than a credential; it's a commitment to public trust. As technology and practice evolve, upholding that trust has never been more important.

Chair's Corner: AI Is a Useful Tool, But Not a Replacement for Expertise

By Denise Ramsey, PE, FBPE Chair (2025)

As I struggle to compose thoughts for this newsletter, my mind goes to "Can AI help me?"

Artificial intelligence is transforming the engineering profession across all disciplines. In the near term at least, it will not replace engineering expertise, but it is becoming a powerful tool that enhances how we design, solve problems, and deliver our work.

Key areas where AI affects engineering:

- Design & Simulation: AI can accelerate modeling and testing, allowing engineers to optimize designs earlier in the process
- Automation of Routine Tasks: Repetitive calculations, documentation, and compliance checks can be streamlined, freeing engineers to focus on higher-level problem-solving
- Data-Driven Decision Making: With sensors and IoT generating vast data, AI can help engineers identify patterns, predict failures, and improve system reliability
- Sustainability & Efficiency: AI can assist in optimizing resource use in construction, energy systems, and manufacturing in support of greener practices

Challenges and responsibilities:

- Engineers must remain accountable for the ethical and safe use of AI
- Regulatory frameworks are still evolving, requiring vigilance to ensure AI-assisted work meets professional and legal standards

By integrating AI responsibly, our profession will continue to lead innovation while safeguarding the public trust.

The Board would like to [hear from you](#) on any professional standards that you think should be incorporated into our rules.

On a final, unrelated note, for the structural engineers who have struggled with the new format of NCEES exams. They have heard you and are taking steps to address the issues. By-laws require one year's notice to changes to exams, so changes won't be immediate, but they are taking steps to add another hour to the exam while reducing the number of questions.



You Are Required to Keep Your Contact Information Updated

As a Professional Engineer licensed in Florida, you are required to keep your contact information up to date. Failing to do so puts you at risk of missing critical notices about law or rule changes, approaching deadlines, and other official communications from the Board.

The Florida Board of Professional Engineers receives numerous bounced emails each time we send out license renewal reminders and quarterly newsletters, as well as returned mail from reminder letters or wall certificates.

State law requires that you report any changes — such as name, mailing address, email address, telephone number, or the name of the Professional Engineer in responsible charge for your firm — within 30 days.

Keeping your records current also ensures proper delivery of licensure correspondence and uninterrupted Board service. Since FBPE frequently delivers updates electronically, providing your most current email address is especially important.

In addition, if you have unsubscribed from FBPE emails sent through Constant Contact, you will not receive important reminders, including licensure renewal notices. To reauthorize FBPE to contact you via email, visit the [FBPE Email Subscription page](#).

Professional Engineer licensees have two options for updating their records (please do not do both):

1. **Online via DBPR's portal:** Log in to your account at myfloridalicense.com and click on My Account at the top right corner of the page. If you experience issues such as “this account is linked to another email” or requests for an activation code, call FBPE at [\(850\) 521-0500](tel:850-521-0500) and select the option to speak with someone in FBPE's Licensure department.
2. **Through FBPE directly:** Use the [Change Contact Information](#) form located in the *Already Licensed* section of our website. This allows you to submit updates to your mailing address, phone number, or email address.

If you experience problems with either method, email board@fbpe.org with your request. Be sure to include your full name, license number, and both old and new contact details.

If you need to change your name, you must also submit a copy of a marriage certificate, divorce decree, or court order along with the [Order Form for Duplicate Licenses and Certificates](#). The order form can be found on the [Other Forms](#) page under *Already Licensed*. There is no fee for a name change; however, a fee applies if you wish to order a duplicate wall certificate.

For questions or assistance, contact FBPE at [\(850\) 521-0500](tel:850-521-0500). By keeping your records up to date, you meet your professional responsibility and avoid disruptions in your licensure.



2025 FEMC Annual Report Highlights

The [Florida Engineers Management Corporation](#) produces an annual report as required by [Section 471.038, Florida Statutes](#).

The report is submitted to the Secretary of the Department of Business and Professional Regulation, the Florida Board of Professional Engineers, and the Florida Legislature by Oct. 1 each year. It reports on the status of the corporation, including information concerning FEMC programs and funding, as well as information regarding licenses and complaints handled by FEMC.

Below are some highlights from the Annual Report for Fiscal Year 2024-25 (July 1, 2024-June 30, 2025):

21 – Number of meetings administered for the FBPE Board and committees

57,900 – Average number of licensees and others receiving FBPE’s [Connection newsletter](#) each quarter

1.2-million – Number of page views of the FBPE website during FY24-25 (a renewal period), compared with 820,000 in FY23-24 (a non-renewal period), and 1.3-million in FY22-23 (a renewal period)

2,200 – Approximate number of engineering students, interns, and professionals reached by **12** outreach presentations that provided information about engineering exams and professional licensure in Florida. Of those, **8** were in-person presentations and **4** were virtual. In addition to the universities, staff gave presentations at Kimley-Horn in Orlando and the Florida Engineering Society annual conference’s student track.

LICENSURE STATISTICS

41,603 – Professional Engineer licenses renewed

4,217 – Applications received for PE licensure

3,689 – Applications for PE licensure approved

141 – Applications for PE licensure denied

575 – Certifications issued for Special Inspectors of threshold-type buildings

82.52 – Days on average to issue a license

1,143 – Examinees passed the NCEES Principles & Practice of Engineering exam; and **962** failed the exam

1,796 – Examinees passed the NCEES Fundamentals of Engineering exam; and **1,686** failed the exam

LEGAL STATISTICS

192 – Complaints regarding engineering practice processed, of which **96** were found to be legally sufficient

30 – Administrative Complaints filed in cases where the Probable Cause Panel found reason to believe a violation of the *Florida Engineering Practice Act* had occurred

17 – Final Orders issued

\$124,491.75 – Fines and Costs imposed

0 – Cases tried before an administrative judge at the Division of Administrative Hearings

26 – Cases dismissed with a finding of no probable cause

21 – Cases dismissed with a letter of guidance

0 – License revoked



- 0 – Voluntary Licensure Relinquishments
- 2 – Licenses suspended
- 0 – Licenses restricted
- 4 – Reprimands issued
- 5 – Probations issued
- 5 – Project reviews
- 11 – Engineers ordered to successfully complete a course in engineering professionalism and ethics
- 11 – Engineers ordered to successfully complete the Board's *Laws and Rules Study Guide*

In addition to [FEMC Annual Reports](#), copies of [FEMC Quarterly Reports](#) are also available online.

Recent Updates to Florida Engineering Rules

[Chapter 61G15, Florida Administrative Code](#), contains the rules that govern the practice of engineering in Florida. The rules are adopted by the Florida Board of Professional Engineering based on [Chapter 471, Florida Statutes, Engineering](#).

The rules are regularly reviewed and updated by the Board.

The latest changes, as of Aug. 8, 2025, include:

- 61G15-20.007 Educational Requirements for Applicants Without EAC/ABET Accredited Engineering Degrees
- 61G15-20.008 *Educational Requirements for Applicants Without ETAC/ABET Accredited Engineering Technology Degrees*

Changes are highlighted in the PDF available on the [Statutes and Rules page](#) in the *Legal* section of the Board's website, fbpe.org.

Special Recognition: Congratulations, Examinees

FBPE applauds everyone who passed engineering exams in the past quarter. We wish them much success as they move towards the next step in their engineering careers. [See the complete list online.](#)

Legal Department: Latest Engineer Discipline

Under Rule 61G15-37.001(11), Florida Administrative Code, the Florida Engineers Management Corporation is required to post all Final Orders involving active disciplinary cases to the website until the terms of the final order are completed, or until the licensee becomes inactive, retires, relinquishes the license, or permits the license to become null and void. Included in this section are the most recent cases in which final action has been taken by the Board, a brief description of the licensee's violation and discipline as well as a link to the final order. [View actions.](#)

Mark Your Calendar

We regularly update our calendar with the latest FBPE and FEMC events. [Check out the calendar.](#)

FBPE Board Members & FEMC Directors

FBPE Board Members

Denise Ramsey, PE; Chair (2025)

FEMC Directors

Safiya Brea, PE; Chair (2025)

James Gonzalez, Public; Vice Chair (2025)

Dylan Albergo, PE

Christopher Dawson, Public

Jeb Mulock, PE

Yassi Myers, PE

John Pistorino, PE, SI

Pankaj (PJ) Shah, PE

Brock Shrader, PE

Vacant

Vacant

Zana Raybon, Executive Director

Rebecca Sammons, Assistant Executive Director

John Rimes, Chief Prosecuting Attorney

Michele Morris, FBPE Controller

Dr. Mark Tumeo, PE; Vice Chair (2025)

Edward Gonzalez, PE

Michael Lessne, Public

Satya Lory, PE

David R. Mica, Public

Art Nordlinger, PE

Zana Raybon, FEMC President

John Rimes, FEMC Vice President

Rebecca Sammons, FEMC Secretary

Michele Morris, FEMC Treasurer