

State News for NSPE Members

Mississippi Officials Eye Nuclear Energy to Power State's Economic Development Future

With billions of dollars in economic development projects coming to Mississippi, including multiple data centers, reliable and affordable energy is needed to power these new facilities as they require substantial amounts of electricity.

According to the US Energy Information Administration (USEIA), natural gas accounted for 76% of Mississippi's electricity net generation in 2023 and was the primary fuel used at nine of the state's ten largest power plants.

However, to meet the demands of the future, one energy source state officials are exploring is nuclear power.

Governor Tate Reeves (R) has shown an openness to support nuclear power during his announcements of these large-scale projects, saying he supports all energy sources if they are safe, reliable, and affordable.

In May, Reeves went further, noting during his Power Play Summit that "the future is going to be nuclear," a sign of state-level support for nuclear power development in some capacity.

Last year, the Mississippi Public Service Commission also threw its support behind nuclear power. The three-member commission passed a resolution stating the PCS recognizes nuclear power as "a clean baseload energy necessary to achieve a reliable, secure, and diversified electric grid." [Read more in the Magnolia Tribune.](#)

MDOT joins the FHWA to Raise Awareness About the Benefits of Roundabouts

The Mississippi Department of Transportation (MDOT) joined the Federal Highway Administration (FHWA) to recognize the critical role roundabouts play in improving

safety and traffic conditions as part of [National Roundabouts Week](#), recognized this year on September 22-26.

Circular in shape, a roundabout is a type of intersection that moves traffic in a counterclockwise direction around a center island, easing congestion. Its channelized, curved approaches force vehicles to slow down without requiring them to stop and, instead, yield to crossing pedestrians or bicyclists and traffic already in the circle.

This configuration results in a significant 78-82% reduction of fatal and serious injuries at formerly signalized and two-way stop-controlled intersections. Other benefits include steady and efficient traffic flow, better intersection visibility and lower speeds for pedestrians and bicyclists.

"Conflict points are minimized in roundabouts, which ultimately reduces crashes that result in injuries and fatalities. Along with the glaring safety benefits, roundabouts keep people moving and reduce idle wait times," said MDOT Executive Director Brad White. "By participating in National Roundabouts Week, we aim to highlight these ongoing efforts to improve road safety and traffic management across the state." [Read more.](#)

Ole Miss Engineer Lands NASA Grant for Antenna Research

The grant is part of NASA's Established Program to Stimulate Competitive Research program. Hutchcraft is working to find ways to reduce interference caused when antennas for different communication systems are placed too close together, [The University of Mississippi reports](#).

"Communication systems are ubiquitous in our lives and operate at different frequencies, such as VHF and UHF for over-the-air television, Wi-Fi, satellite TV and cellular networks," he said. "You often see many antennas on water towers or tall buildings; when antennas are placed too close together, they can interfere with each other, which hurts their performance."

Hutchcraft described the research idea as "Star Trek's cloaking."

"Let's say you have two antenna systems that you want to operate close to each other," the Ole Miss researcher said. "You have to put a cloak on each antenna, and with this cloak, the idea is that each antenna operates the same as an uncloaked version of the antenna, but in complete isolation from the other antenna." [Read more.](#)

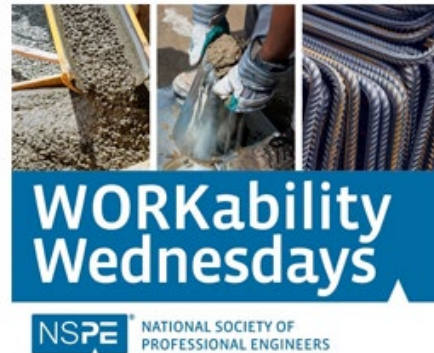
New Board of Ethical Review Cases Available

One of NSPE's key resources includes the Board of Ethical Review case studies. The five new cases (24-01 – 24-05) address the topics of balancing client directives and the public welfare, use of artificial intelligence in engineering practice, public contracting practices, community engagement for infrastructure projects, and sustainable development and resilient infrastructure. [Access the BER cases](#).

Enhance your understanding of the new BER cases by attending the upcoming WORKability Wednesdays webinar [Board of Ethical Review: Fall 2025 Case Review and Discussion](#) on October 22.

Level Up Your Career: 2025 Fall WORKability Webinars

NSPE offers a live webinar series free to members —“WORKability Wednesdays”— to support members with their professional development goals through NSPE's PE Institute. The new season of webinars launched on September 10 with [Decarbonizing Concrete: Overcoming Challenges, Unlocking Opportunities](#) and on September 24 with [The Case for AI in Forensic Engineering: Enhancing Expert Testimony and Avoiding Obsolescence](#) (Recordings are available). Registration is open for these upcoming webinars.



- October 8: [Marketing & Sales Best Practices for Engineering Firms](#)
- October 22: [Board of Ethical Review – Discussion of New Ethics Cases](#)
- November 5: **TBD**
- November 12: [Ethical Dimensions of Engineering in the 21st Century](#)

Missed the 2025 Spring WORKability Series? [Register for the package to get all 6 webinars](#) – free to members!

**Members are advised to consult their state licensing board to determine requirements for PDH or CPD credits.*

Nominations Open: Federal Engineer of the Year Award

Federal engineers are at the forefront of our nation's most vital priorities from infrastructure and innovation to defense, public health, and safety. Honoring the commitment of federal engineers to innovation and service is the hallmark of the Federal Engineer of the Year Award (FEYA). Nominations for the 2026 award are open until October 31, 2025. [Visit the online portal for full guidelines and submission details](#).



Why Does FEYA Matter?

Lt. Col. Brigham Moore, Ph.D., P.E., PMP, was named the 2025 Federal Engineer of the Year. Here's what Lt. Col. Moore had to say about the impact this award has had on his career: *"Being selected as Top Ten Finalist and ultimately as the Federal Engineer of the Year this past year has been an incredible highlight of my career. Within the Air Force, it has provided me opportunities to mentor and give back to the engineering community that I love. Professionally, it has reconnected me with previous advisors and engineering faculty, opening up doors and networking me with some people that I did not previously know. Finally, and personally, it served as a huge bolster to my confidence and commitment to continue making meaningful change with each project and major decision as I move forward."*

[Learn about Moore's government service and contributions to the profession.](#)



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