State News for NSPE Members

Expanded Wind Project to Power Arizona with More Clean Energy

Customers of Arizona Public Service Company (APS) will soon power their homes and businesses with more clean energy. Earlier this year, APS [agreed] to deliver 100% clean, carbon-free electricity to customers by 2050. By the end of 2021, APS will harness the power of Leeward Renewable Energy's advanced GE wind turbine technology to help meet Arizona's growing energy demands, according to a *Daily Independent* article.

Arizona Public Service has entered into a power purchase agreement with Leeward Renewable Energy to purchase 200 megawatts of wind energy output from their two New Mexican Aragonne Wind facilities. Leeward's advanced GE wind turbine technology enables APS to provide renewable energy to customers and advance its bold energy commitment to deliver 100% clean, carbon-free electricity by 2050.

Read more.

Rural Arizona to Get $25 Million for Water Infrastructure Projects

Four rural communities across Arizona will be getting much-needed modernization projects for aging drinking water and wastewater infrastructure to improve their drinking water quality and supply and make water usage more efficient in the era of climate change.

The US Department of Agriculture is investing $891 million to modernize rural drinking water and wastewater infrastructure in 43 states including Arizona, according to a *Chamber Business News* report. A total of 220 projects will help improve rural water infrastructure for 787,000 residents in communities with populations of 10,000 or less.

In Arizona, aged and failing water systems will be updated in Pine-Strawberry, Mammoth, Bouse and Aguila. The projects are being funded through the federal Water and Waste Disposal Loan and Grant Program. The program provides funding for clean and reliable drinking water systems, sanitary sewage disposal, sanitary solid waste disposal, and stormwater drainage to households and businesses in eligible rural areas.

Read more.

Where Does Arizona Rank on Highway Performance?

Arizona's highway system ranks 23rd in the nation in overall cost-effectiveness and condition, according to the Annual Highway Report by the Reason Foundation. This is a six-spot improvement from the previous report, where Arizona ranked 29th.

Arizona's best rankings, according to the report, are structurally deficient bridges, maintenance disbursements per mile, urban interstate pavement condition, and urban arterial pavement condition.

In safety and performance categories, Arizona ranks 47th in overall fatality rate, 3rd in structurally deficient bridges, 31st in traffic congestion, 10th in urban interstate pavement condition, and 37th in rural interstate pavement condition. On spending, Arizona ranks 17th in total spending per mile and 26th in capital and bridge costs per mile.

The foundation's Annual Highway Report measures the condition and cost-effectiveness of state-controlled highways in 13 categories, including pavement condition, traffic congestion, structurally deficient bridges, traffic fatalities, and spending (capital, maintenance, administrative, overall) per mile.

Access the full report.

NSPE's **Job Board** is your one-stop resource for professional engineering employment. Whether you are on the hunt for your next career move or looking for today's top engineering leaders and talent, you will find it here.

NSPE provides the tools PEs need to keep current in the profession and advance their careers.

Featured Jobs
Engineer – Traffic Studies
Phoenix, AZ

Beavers-Ames Lecturer in Heavy/Civil Construction
Tempe, AZ

Find more job openings or reach the right employees on the NSPE Job Board.

Stay up to date on legislative issues through the **NSPE Advocacy Center** .

NSPE Government Relations Staff Releases 2020 Advocacy Report

NSPE's Government Relations staff has released its year-end report—**By the Numbers**—a semi-deep dive into how advocacy campaigns performed, which issues staff tracked and how often, and which members of Congress were most and least supportive of NSPE issues.

The report provides summaries of lessons learned and establishes best practices. It also draws some fact-based conclusions on who are NSPE allies on the Hill, and which offices need a little more prompting before they get on board. It's an excellent capstone to an unexpected and difficult, but ultimately successful year!

Access the report.

Education Foundation Celebrates 60 Years of Giving Back

For 60 years, the NSPE Education Foundation has been a major source of support for the educational and ethical practice needs of engineering students, engineering teachers, and practicing professionals.

This past year, the foundation gave out five scholarships to deserving engineering students and supported young professionals in NSPE's Emerging Leaders Program . In the coming year, the foundation will explore additional programs to broaden its reach and impact, and NSPE member support will mean more than ever before.

In this season of giving, and in honor of the NSPE Education Foundation's 60th anniversary, a donation of $60 will help further its mission to support students, educators, young professionals, and the profession at large.

Donate today.

EJCDC Releases New Owner and Engineer Task Order Docs

The Engineers Joint Contract Documents Committee has released a new document: EJCDC E-505 2020, Agreement Between Owner and Engineer for Professional Services—Task Order Edition . This document is available to NSPE members at a 50% discount.

EJCDC E-505 defines individual task orders for specific professional assignments. In a task order, the owner and engineer agree to task-specific terms, such as scope of services, schedule, and compensation, for each specific assignment. When a task order is issued, no drafting or negotiating is needed for provisions such as indemnification, insurance, claims, dispute resolution, suspension, or termination because these provisions will have been negotiated previously and set in place in the E-505 Main Agreement and its exhibits.

The E-505 is designed for multiple or recurring assignments ("tasks") related to one or several projects; it is similar to the E-500 Agreement Between Owner-Engineer for Professional Services in structure, terminology, and conditions. Updates to the EJCDC E-505 include enhanced and reorganized exhibits to the E-505 main agreement and task order form to reflect evolving contract practice and improve ease of use. This edition is published in four parts, which are included in a downloadable zip file.

Learn more.

It's Not Too Late: Get Your 15 Free PDHs for 2020

Act now to take advantage of the annual NSPE membership benefit of 15 free PDHs. Access to the 2020 lineup of courses will end after **December 31**.

Members may earn credits by viewing the webinars from the comfort of their home or office and will receive an attendance certificate after passing a quiz with a score of 70% or higher. PDHs from these courses are recognized by most US states, including Florida.

Don't have time to view the 15 free courses before December 31? Simply "purchase" the webinars by December 31 and add them to your NSPE member account. That way you can view them when you are ready. Webinars in your account can be accessed for up to one year.

Here's a sample of available webinar topics:

- Engineering Ethics: The obligation to conduct themselves honorably, responsibly, ethically and lawfully

- Drones: The Sky's the Limit

- How Not to Fail as a Leader

- Professional Engineer's Role on Application of Artificial Intelligence and Technology

- Texts and Emails That Fuel Engineering Success

Act now to access the 2020 free courses .

Share with your network