

State News for NSPE Members

Upcoming NSPE-AZ Board Meeting

NSPE-AZ will host its next Board of Directors meeting on **Thursday, December 16** starting at 11:30 a.m. (MT).

Access the [NSPE-AZ website](#) for information on upcoming events.

Gilbert Public Safety Training Facility Tour Recap

Members of NSPE-AZ recently took a tour of the Gilbert Public Safety Training Facility. The Gilbert Public Safety Training Facility (located at 6860 S Power Road) is a 50-acre multi-use joint police and fire training facility designed to meet the current and future specialized training needs of public safety personnel. The tour was hosted by the American Council of Engineering Companies of Arizona. Access photos of the tour [here](#).





Phoenix and Tucson Rank High in Clean Tech

A recent report that evaluated hundreds of US metro areas ranked Phoenix No. 22 and Tucson No. 39 in clean technology innovation, the [Business Journals reported](#). The [Cleantech Innovation Hubs Survey](#) was done by Colorado venture capital and research firm Saoradh Enterprise Partners, which ranked the nation's top 40 cities on their involvement in clean technology solutions that "improve environmental sustainability related to aggregate human welfare and functioning natural ecosystems."

The national drive toward clean tech has consistently gained traction in recent years due to lawmakers' push to fight climate change.

Drought Could Halt Dam's Energy Production by 2023

Extreme drought could impact an Arizona dam's ability to create electricity in coming years, according to [the Associated Press](#). Federal officials have said there is a 34% chance that the Glen Canyon Dam on the Arizona-Utah border won't be able to generate energy in 2023 if current weather conditions persist.

Compared to last year, the total amount of hydropower produced in the US is expected to decline by 14% in 2021, the Energy Information Administration [recently reported](#). Most hydropower is produced in southwestern states and in the Pacific Northwest. A decline in hydropower will strain the already overwhelmed electric grid in the Southwest.

Infrastructure Act Will Fund Extensive Road and Bridge Repairs, Transportation Upgrades

The bipartisan Infrastructure Investment and Jobs Act will pay to repair and rebuild

roads and bridges in Arizona with a focus on climate change mitigation, resilience, equity, and safety for all users, including cyclists and pedestrians.

There are 132 bridges and over 3,193 miles of highway in poor condition in Arizona, according to the [US Department of Transportation](#). Since 2011, commute times have increased by 11.1% in Arizona, and on average, each driver pays \$614 per year in costs due to driving on roads in need of repair. The state is expected to receive approximately \$5.3 billion over five years in federal highway formula funding for highways and bridges.

In addition, the state will receive about \$903 million over five years to improve public transportation options. Funding will also cover modernization of freight rail, increased EV charging options, airport improvements, and other infrastructure updates.



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 Job

[Senior Civil Engineer](#)

Phoenix, 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](#).

Share Your Story #IAMNSPE

Who is NSPE?

NSPE is its members. NSPE members—like you—bring a unique story and perspective to the engineering profession. Learn more about your peers and [share your own story](#) with a 30-second video and the hashtag, #IAMNSPE.

I Am Innovative

Ben Amaba, P.E., LEED AP, CPIM, BD+C
CTO Digital Transformation with Technology Innovation

NSPE is “the perfect venue to learn, network, and advance your skills,” according to Ben Amaba, an innovator at IBM. It brings together a diverse set of professionals who are innovating the world, and has helped him both personally and professionally.



Honor Awards Open for Nominations

The NSPE Honor Awards promote the professional engineer’s contributions to society and recognize the achievements of the profession’s very best. The deadline for [award submissions](#) is **January 31, 2022**.

NSPE Award

The NSPE Award is the highest award given to an individual by the Society. It is presented to an engineer who has made outstanding contributions to the engineering profession, the public welfare, and humankind. **Steven Arndt, Ph.D., P.E., F.NSPE**, a world-renowned authority in the field of nuclear engineering, received the award in 2020.



New Professional Award

This award recognizes a young NSPE member who has made outstanding contributions to the engineering profession and the community during the early years of one's career. **Stephanie Blain, P.E.**, received the award in 2021. She is employed with Palmer Engineering Company in Lexington, Kentucky.



Get Your 15 Free PDHs for 2021—While They Last

Access to the 2021 selection of 15 free courses ends in January, so claim them before it's too late. Members can conveniently view courses from the comfort of their home or office.

PDHs from these courses are recognized by most US states, including Florida, and are earned after passing a quiz with a score of 70% or higher. Simply “purchase” the webinars and add them to your NSPE member account.

Webinars in your account can be accessed for up to one year.



Here's a sample of available webinar topics:

- [Ethics Forum: Conflicts of Interest - Serving the Public](#)
- [How To Be An Effective Witness](#)
- [Leading Project Teams: Emerging Technologies and Smart Design](#)
- [Your System Now and in the Future - Ensuring Sustainability through Strategic Planning](#)

[Start earning your PDHs.](#)

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