

## State News for NSPE Members

### Registration Open for the November Luncheon Meeting

NSPE-NV will partner with SWE-NV to host a luncheon meeting on **Tuesday, November 28**, at Lawry's the Prime Rib from 11:30 a.m. to 1:00 p.m. The meeting will feature a presentation on "**Nevada Resort Association – Past, Present, and Future**" by Valerie Valentine, the president and CEO of the [Nevada Resort Association](#). Access in-person/virtual registration and payment information [here](#).

#### Meet the Speaker



**Valerie Valentine** is the president and CEO of the Nevada Resort Association, a position she has held for more than a decade. The association represents and advocates for 75 resorts in Nevada's hotel/gaming industry. She is the former chief executive officer for Clark County, Nevada.

Valentine began her career as a consulting engineer in the private sector and is a registered professional engineer. Valentine's career includes serving as the city manager for the City of Las Vegas and as a senior vice president of Post, Buckley, Schuh & Jernigan, (PBSJ) a national consulting engineering firm (now known as Atkins). She also has the distinction of being the first chief engineer and general manager of the Clark County Regional Flood Control District.

### Thanks to Our Sponsor!



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## Future City Competition Seeks Judges

The **Nevada Future City Competition** is approaching in January! The competition engages with kids in grades 6-8 to help them experience engineering. Judges are needed to help score deliverables and volunteers are needed for competition that will take place on January 20. More information can be found [here](#).

Please contact [Brian.Kalina@swgas.com](mailto:Brian.Kalina@swgas.com) or [Anthony.Fiti@snvfuturcity.org](mailto:Anthony.Fiti@snvfuturcity.org) if you're interested in volunteering or have any questions.

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## #VolunteerLikeABoss

NSPE-NV is relaunching its support of [The Just One Project's Pop Up & Give Mobile Market](#). Volunteers are needed on **Saturday, November 18**, at various locations from 8:00 a.m. – 11:00 a.m. Volunteers help unload food pallets and distribute those food items to our drive through and walk-up clients.

If you would like to volunteer, you can [sign up online](#). Please wear comfy closed-toed shoes and bring water. Children 10 and older are welcome to participate.

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## Nevada PE Foundation STEM Outreach Resources

The [Nevada PE Foundation](#) supports STEM education in an effort to inspire the next generation of socially and environmentally responsible leaders. The foundation focuses on outreach to students in grades K-6 to provide hands-on activities in engineering design and testing through three activities, including a Pop Fly Catapult project. NSPE-NV members and educators can access information about the available activities and resources [here](#).

*Sichu Shrestha, Ph.D., P.E., recently provided third-grade students at Elise Wolff Elementary School the opportunity to learn engineering design techniques through the Pop Fly Catapult activity. The students built their catapult individually and at the end competed/ tested to see whose catapult could propel the ball the longest distance.*





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## Licensing Board Meetings

The [Nevada State Board of Professional Engineers and Land Surveyors](#) will hold a public workshop on **December 6** (Las Vegas and Reno) and an interim board meeting on **December 14**. Access meeting information [here](#).

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## DOE Announces \$1.3 Billion to Build Out Transmission Lines

The US Department of Energy (DOE) recently announced a \$1.3 billion commitment for three transmission lines crossing Nevada and five other states, according to a [news release](#). This commitment, made possible by the Bipartisan Infrastructure Law, will advance transformative projects aimed at adding 3.5 gigawatts (GW) of additional grid capacity throughout the US, equivalent to powering approximately 3 million homes, and creating more than 13,000 direct and indirect jobs. These projects seek to advance the Administration's climate agenda, strengthen grid resilience and reliability, and bring low-cost clean electricity to more families and businesses.

To ensure that transmission buildout is done in an informed and precise manner, DOE also released the final [National Transmission Needs Study](#) to provide insight into where the grid—and American communities—would benefit from increased transmission.

**Nevada and Utah - Cross-Tie 500kV Transmission Line:** The Cross-Tie is a proposed 214-mile, 1500 MW transmission line connecting existing transmission systems in Utah and Nevada to increase transmission capacity, improve grid reliability and resilience, relieve congestion on other key transmission lines, and

expand access to low-cost renewable energy across the region. The bidirectional nature of Cross-Tie will increase transfer capabilities in the West, unlocking increased access to renewable energy resources in the region. Construction is expected to start in Q1 of calendar year 2025. The Needs Study estimates that by 2030 the Mountain region will need nearly 2,300 gigawatt-miles GW-mi of new transmission to unlock the power sector emissions savings enabled by Inflation Reduction Act (IRA). Cross-Tie will contribute 14% to this regional need. [Read more.](#)

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## Researchers Create Model for Colorado River Water Management

Public policy scholars published a 339-page paper to help state and federal regulators manage water for the Colorado River Basin, [The Center Square reports](#).

The Colorado River provides drinking water for approximately 40 million people in Arizona, California, Nevada, Colorado, New Mexico, Utah, Wyoming, and Mexico. Its water also provides irrigation for approximately five million acres of farming, or 15% of the nation's crop production, and livestock, approximately 13%.

Three professors from the University of California-Riverside collaborated with two representatives from the Utah Rivers Council to develop a "hydro-economic model" to provide answers for critical questions regarding management of the water resource. The analysis shows impacts to cities, states, tribes, farmers, and wildlife conservation. It also suggests "out-of-the-box solutions that right now many stakeholders don't even want to mention," Ariel Dinar, one of the authors, said in a media release from the university announcing the publication.

Increased water use due to population growth and reductions due to climate change are examined in the analysis and are the basis for alternative water policies.

"This knowledge provides an understanding of the magnitude of growing socioeconomic and climate pressures in the basin," the analysis states. "This is important because of the rising chorus of scientists, water managers and policymakers who suspect the Colorado River Basin is approaching a tipping point." [Read more.](#)

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## Are You Ready to Lead Within NSPE-NV?

NSPE-NV is seeking individuals to serve as secretary for the state society/foundation boards.



Please contact Martin Jensen ([mjensen@teamues.com](mailto:mjensen@teamues.com)) or Bob Thomsen ([Bob.Thomsen@gesnevada.com](mailto:Bob.Thomsen@gesnevada.com)) if you are interested.

Stay up to date on legislative issues through the [NSPE Advocacy Center](#).

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## Check Out the Latest Issue of *PE*

### Future Forward

Emerging technologies such as artificial intelligence and nanotechnology are revolutionizing the world. But these technologies are developing at a pace much faster than can be effectively absorbed into critical engineered infrastructure. The NSPE Emerging Technologies Committee is laser focused on ensuring that new technologies can benefit society and the profession with minimal risk to safety and security.



### Claiming a Seat at the Table

Does it ever seem like your ideas go unnoticed? Do you sometimes feel like you have stalled in your organization? Does it seem like your team is not getting the support it needs? If you want to “claim a seat at the table,” how you show up, use your influence, and communicate can be the difference between winning opportunities or not.

[Access the full issue online.](#) Members who subscribe to the digital edition of *PE* can also access the current and back issues.

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## Engineers Week 2024 — Welcome to the Future!

Founded by NSPE in 1951, [Engineers Week](#) (February 18–24, 2024) is dedicated to ensuring a diverse and well-educated future engineering workforce. The latest theme for Engineers Week — **Welcome to the Future!** — seeks to inspire the next generation to play a vital role in innovating solutions to global challenges that impact future generations. By working together to develop new technologies, products, and opportunities, engineers create new possibilities that make the world a better place.



Engineers Week is a time for you to:

- Celebrate how engineers make a difference in our world.
- Add your voice to the conversation about the need for engineers, technicians, and technologists.
- Engage students in engineering.

[Access promotional resources.](#)

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## Share Your Views: Outreach to the Next Generation

What are you doing to promote the engineering profession to young people? Send your comments (250 words or less) to [pemagazine@nspe.org](mailto:pemagazine@nspe.org).

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