

State News for NSPE Members

NSPE-NV Meeting Recap—The Horizon Lateral Project

NSPE-NV hosted a meeting on August 17 that focused on the Horizon Lateral project. Adriana Ventimiglia, P.E., senior program engineer, provided insight on this new water transmission pipeline designed by the Southern Nevada Water Authority.

Project Spotlight

With economic development opportunities in Southern Nevada's horizon, the regional water system requires new, additional facilities to provide the capacity for new demands while maintaining or improving existing service levels for customers. According to the Southern Nevada Water Authority's Major Construction and Capital Plan (2020) document, the Horizon Lateral represents the largest project proposed in terms of cost, timeline, and magnitude.

Nearly 40% of the residents and businesses in the southern portion of the Las Vegas Valley are currently served by the South Valley Lateral, which is projected to reach 95% capacity by 2034. The singlefeed transmission lateral does not have redundant facilities to provide back-up water service to the area, highlighting the need for an additional lateral to ensure future reliability and system capacity.

When completed, the new lateral will offer redundancy for a large portion of SNWA customers and the capacity to meet new demands in the southern portion of the water system. It will be designed to increase the transmission system capacity from the current 306 million gallons per day.

The Presenter—Adriana Ventimiglia, P.E.



Adriana Ventimiglia, P.E., graduated from the University of Nevada, Las Vegas in 1997 with a bachelor's degree in civil engineering. She has worked at the Las Vegas Valley Water District for over 14 years, starting as a civil engineer PE, senior civil engineer, and now serving as a senior program engineer.

Special Thanks!

NSPE-NV would like to thank the sponsor of this month's meeting, **Black & Veatch**—an international employee-owned engineering, procurement, consulting, and construction with an office in Las Vegas.



Show Your PE Pride!

NSPE-NV members recently celebrated the contributions of the profession during the sixth annual [PE Day](#). But don't wait until next year's national event to show off this commitment to the profession. NSPE President Rick Guerra, P.E., F.NSPE, believes that proud members of the NSPE community can do so in the following ways all year round:

- Introduce yourselves as Licensed Professional Engineers
 - Get to know your fellow PEs
 - Use [#ProudPE](#) in your communications and social media posts
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Volunteer Opportunity at the Mobile Food Market

NSPE-NV is calling on members to volunteer for the next Mobile Food Market distribution project on **Saturday, August 21** from 7:45 a.m. to 11 a.m. at **Canyon Springs High School** (350 E Alexander Rd, North Las Vegas, NV 89032).

If you can volunteer, please RSVP to brook.demitropoulos@jacobs.com or call 702-336-9896. Gloves will be provided, but volunteers must provide their own masks. If you can't make it to this location, you can still [register online](#) for a different location.

What's in the Infrastructure Package for Nevada?

US Senator Jacky Rosen [released a statement](#) following the Senate's passage of the bipartisan *Infrastructure Investment and Jobs Act* to highlight the investments that will benefit Nevada.

The following are some of the investments that are featured in the legislation

- Roads, Bridges, & Highways: \$110 billion in new nationwide funds for roads, bridges, and major projects, and a reauthorization of the surface transportation program for the next five years. \$40 billion in new funding for bridge repair, replacement, and rehabilitation. \$11 billion in transportation safety programs.
 - Transit: \$39 billion of new investment to modernize transit and improve accessibility.
 - Water: \$8.3 billion in overall investment for western water systems. \$1 billion for water recycling and reuse projects. \$300 million for implementing the Colorado River Basin Drought Contingency Plan (a seven-state agreement, which includes Nevada, to avoid catastrophic water supply shortages in the western US).
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NVDOT Seeks Public Input on Statewide Projects

The Nevada Department of Transportation is [inviting the public to comment](#) on planned transportation projects and improvements as outlined in the Annual Work Program (AWP) and the Statewide Transportation Improvement Program (STIP) through August 26.

The public can comment on the draft list of projects contained in the proposed [AWP](#) and [STIP](#) before it is finalized for review and potential approval and/or acceptance by the state transportation board and governing federal agencies.

The fiscally constrained, four-year plan outlines federal and state-funded

transportation projects, as well as regionally significant transportation improvements funded through local and/or state dollars in accordance with the Federal Aid Highway Act and Federal Transit Act. These projects improve the capacity of Nevada's transportation system, such as increasing lanes, constructing new roads and intersection improvements along with certain road maintenance projects. It also includes transit, rail, pedestrian walkway, and bicycle facility projects.

All public comment must be submitted by August 26 to this [NVDOT email address](#).



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

[Project Manager \(Water/Wastewater\)](#)

Carson City, NV

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](#).

Texas PE Takes Lead of the Society

Rick Guerra, P.E., F.NSPE, was recently installed as NSPE's 2021–22 president during the [2021 Installation Ceremony](#) at NSPE headquarters in Alexandria, Virginia. In the latest issue of *PE* magazine, he [offers a perspective](#) on the engineering workforce

pipeline, climate change, and engineering licensure.



Guerra is the president and CEO of Jose I.

Guerra, Inc. a full-service, facilities engineering firm with offices in Austin, San Antonio, and Corpus Christi, Texas. The firm provides a comprehensive range of civil, structural, mechanical, electrical, plumbing and fire protection engineering services to clients throughout the state.

As an active member of NSPE since 1994, Guerra has served in numerous leadership roles at the chapter, state, and national levels, including as president of the Texas Society of Professional Engineers in 2016-17 and was named a NSPE Fellow in 2018. In 2007, he was appointed by Governor Rick Perry as the licensed professional engineer member of the Texas State Board of Plumbing Examiners, serving until 2019. He received his bachelor's degree in mechanical engineering in 1982 and a master's degree in engineering in 1988, both from the University of Texas at Austin.

Guerra continues to promote the engineering profession by serving as a guest lecturer at UT Austin, acting as a high school career day host and serving as an engineering mentor for local high school students. He is also an active volunteer for his church, the Boy Scouts of America, and various other community organizations.

Celebrating Excellence in the Profession

NSPE members were honored on August 4 for their outstanding contributions to the profession during the 2021 Virtual Professional Engineers Conference.

Young Engineer of the Year Award

Stephanie Blain, P.E. was named the 2021 Young Engineer of the Year for her outstanding contributions to the engineering profession and the community. She is employed with Palmer Engineering Company in Winchester, Kentucky.



Engineering Education Excellence Award

Scott R. Hamilton, Ph.D., P.E., received the Engineering Education Excellence Award, which recognizes licensed

engineering faculty who have demonstrated the ability to link engineering education with professional practice. He is chair of the Civil & Mechanical Engineering Department at York College in York, Pennsylvania.



The Milton F. Lunch Ethics Contest winner and the QBS Award winners were also recognized during the conference.

The [2021 Milton F. Lunch Ethics Contest](#) provides an opportunity for NSPE members to put their ethics knowledge to the test on topics that present ethical challenges such as artificial intelligence, climate change, and the industrial exemption. **Michael Rademacher, P.E.**, of St. Louis, Missouri (Burns & McDonnell), is this year's winner. He will receive \$2,000, a certificate, and recognition in *PE* magazine.



The [QBS Awards](#) are cosponsored by NSPE and ACEC to recognize public and private entities that make exemplary use of the qualifications-based selection process at the federal, state and local levels. The **City of San Diego** was honored in the state/city government category and the **Idaho QBS Facilitators Council** received a special recognition award.

The award winners serve as examples of how well the QBS process works, and they help promote the practice in jurisdictions that do not use, or underuse, QBS to procure engineering services.

Introducing the 2021 Class of Society Fellows

By demonstrating exemplary and devoted service to their profession, the Society, and their community, 12 professional engineers have been honored as the 2021 Class of Fellow members.

- **Susan Best, P.E.** (PA)
- **Lee Czor, P.E.** (KY)
- **Beth Fifield Hodgson, P.E.** (WA)
- **Erin Gates, P.E.** (WY)
- **Angela Hanz, P.E.** (WI)



- **Kiel Johnson, P.E.** (KS)
- **Sharon Kimbrough, P.E.** (AL)
- **Matt Kruse, P.E.** (NE)
- **Andy Rogers, P.E.** (SC)
- **Breck Washam, P.E.** (MO)
- **Hardy Willis, P.E.** (NC)
- **Brian Malm, P.E.** (MN)

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