

State News for NSPE Members

Show Your PE Pride!

NSPE-CA 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

Take Your Leadership Skills to the Next Level

NSPE-CA is looking for members who want to guide the future of their professional society and engage with their profession.



There are several volunteer openings—with a variety of time commitments—available for 2021-2022.

- **Help decide on event topics**—This can be as simple as voting on a series of choices, to actively looking for speakers, to being a speaker yourself.
- **Boost a social event**—From simply greeting attendees at a luncheon, to finding and booking a venue.
- **Build buzz on social media**—This can be as easy as reposting or responding to a post, to creating new post topics in the NSPE-CA Online Community.

- **Serve as a Regional Lead**—Help put together events in your region.
- **Design your own opportunity**—Let us know how you'd like to engage.

[I'm interested in volunteering.](#)

San Diego Recognized for QBS Commitment

The **City of San Diego** was selected as a 2021 QBS Award recipient in the state/city government category. 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.

QBS Award recipients serve as examples of how well the qualifications-based selection process works, and they help NSPE and ACEC promote the procurement practice in jurisdictions that do not use, or underuse, QBS to procure engineering services.

State Licensing Board News



Department of Consumer Affairs
**Board for Professional Engineers,
Land Surveyors, and Geologists**

The California Board for Professional Engineers, Land Surveyors, and Geologists has released its latest newsletter—Summer 2021.

Click [here](#) to access the PDF on the BPELSG website.

Energy Commission Adopts Updated Energy Code

The California Energy Commission (CEC) recently adopted the [2022 Building Energy Efficiency Standards](#) (Energy Code) for newly constructed and renovated buildings that will produce benefits to support the state's public health, climate, and clean energy goals.

As the state's primary energy policy and planning agency, the CEC adopts standards every three years to cost-effectively increase the energy efficiency and lower the carbon footprint of buildings. Homes and businesses use nearly 70% of California's electricity and are responsible for a quarter of the state's greenhouse gas emissions.

The 2022 Energy Code focuses on four key areas in newly constructed homes and businesses

- Encouraging electric heat pump technology for space and water heating, which consumes less energy and produces fewer emissions than gas-powered units.
- Establishing electric-ready requirements for single-family homes to position owners to use cleaner electric heating, cooking, and electric vehicle (EV) charging options whenever they choose to adopt those technologies.
- Expanding solar photovoltaic (PV) system and battery storage standards to make clean energy available onsite and complement the state's progress toward a 100% clean electricity grid.
- Strengthening ventilation standards to improve indoor air quality.

The 2022 update will be submitted to the California Building Standards Commission (CBSC), which is scheduled to consider it in December 2021. If approved by the CBSC, it would go into effect on January 1, 2023 to give builders, contractors, and other interested parties a year to gear up for the changes.

[Read more.](#)

What's in the Infrastructure Package for California?

US Senators [Dianne Feinstein](#) and [Alex Padilla](#) released statements following the Senate's passage of the bipartisan *Infrastructure Investment and Jobs Act* to highlight the investments that will benefit California.

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

- Roads and bridges: \$110 billion for highways, roads, and bridges, including \$40 billion of new funding for bridge repair, replacement, and rehabilitation, \$16 billion for major projects that are too large or complex for traditional funding programs, and \$7.5 billion in the RAISE (formerly BUILD) grant program. The funds are critical for California, which has 1,536 bridges and more than 14,220 miles of highway in poor condition.
- Transit: \$39 billion in new spending for public transit. These funds would help complete projects in high-traffic areas such as the Bay Area and Los Angeles, including \$8 billion for the Capital Investment Grant Program.
- Broadband: \$65 billion to expand and improve on the access, stability, and speed of internet throughout the country.
- Clean energy: \$73 billion for clean energy programs including \$65 billion for electric grid infrastructure and \$19 billion to deal with orphaned oil wells.
- Airports, ports, and waterways: \$17 billion for port infrastructure improvements and \$25 billion for airports to address repair and maintenance backlogs; reduce congestion and emissions near ports and airports; and use cleaner, electric, and other low-carbon technologies.
- Wildfire mitigation programs: \$3.3 billion for wildfire risk reduction efforts

including hazardous fuels reduction, controlled burns, community wildfire defense grants, collaborative landscape forest restoration projects and funding for firefighting resources.

- Water storage: \$1.15 billion for water storage projects to hold more water in wet years and after major storms for use by communities and for environmental benefit.
- Desalination: \$250 million for desalination projects to provide a drought-proof water supply and demonstrate improving desalination technologies.



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.

The latest California jobs are pulled from the NSPE Job Board and appear on the NSPE-CA website. New career opportunities are also posted through NSPE-CA social media profiles on [Twitter](#), [LinkedIn](#), and [Facebook](#).

Featured Jobs

[Senior Engineer](#)

Santa Rosa, CA

[Construction Manager](#)

Long Beach, CA

[Public Works Director](#)

Bakersfield, CA

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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**National Society of Professional Engineers | 1420 King Street | Alexandria, VA
22314**

