

## State News for NSPE Members

### New Solar Research Facility to Study Effects of Challenging Vermont Conditions

The University of Vermont has announced that its new UVM Solar Research and Training Facility at McNeil Generating Station was recently unveiled, energizing the study of the performance and durability of solar panels under often-challenging Vermont conditions: freezing temperatures, heat and humidity, cloud cover, hail, and having their surfaces covered in everything from bird droppings, snow and ice to dust from agriculture and dirt roads.

The facility includes panels purchased as part of a Department of Energy (DOE)-funded UVM research project in the College of Engineering and Mathematical Sciences as well as a large number of panel donated by Sandia National Labs from the former DOE/Sandia National Lab solar test site in Williston. The array will serve as a core research facility serving several new research projects and training opportunities and will support the long-term goal of identifying industry partners interested in testing new technologies.

The McNeil facility provides an opportunity to leave the panels “fully exposed to all of the dust, rocks, birds, squirrels – everything that you might expect panels to be exposed to outside,” said Matthew White, a professor in the Department of Physics and co-PI of both the solar installation and research projects. [Read more.](#)

---

### Vermont Prepares for \$21 Million Federally-Funded EV Charger Build Out

With least 10,000 registered electric vehicles in Vermont and more traveling through, the state is looking to add more EV infrastructure, [WCAX reports](#). “For those times when people may not own their homes, they might not have access to charging in their multi-unit dwelling,” said Patrick Murphy with Vermont Agency of Transportation.

Two years ago Vermont received \$21 million in federal funding for EV infrastructure

but Murphy says there have been delays in getting it on the ground. In the meantime, the state has spent \$1 million in grants on chargers in multi-unit dwellings, expanding access to 6,200 households. But the goal is to add roughly 80 fast chargers, allowing travelers to never be more than 25 miles away from a fast charger from the highway corridor.

“In each location, people will be able to know that they’ll have at least four fast charging ports that can simultaneously charge at 150 kilowatts versus a really fast amount of charge,” Murphy said.

VTrans expects the first part of that \$21 million in federal funding will be in motion by next year. [Read more](#).

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

---

## Share Your Expertise: NSPECon24 Presentations



NSPE seeks speakers willing to elevate the profession by providing interesting, relevant, and timely education to colleagues attending the [2024 Professional Engineers Conference \(NSPECon24\)](#) August 7-9 in Raleigh, North Carolina.

Proposals may address a number of topics in three key conference tracks that include leadership, issues and trends, and career assistance. Please consider sharing your expertise and insights by **submitting a presentation proposal by midnight, January 10**.

To learn more about potential topic areas, how to prepare a submission, and the benefits of being selected to present, click on the button below.

---

## NSPE Member Benefit: On-Demand Webinars

---

The WORKability Wednesdays fall series wrapped up in November. Recordings of the presentations are available in the [PE Institute](#). Past webinars are also available for viewing in the [On-Demand Webinars](#) section of the website.

NSPE is always seeking great content and speakers. Those interested in presenting can submit ideas using the online [Call for Webinars form](#).

---

## Enterprise Membership - Elevate Your Engineering Team



Is your organization looking to bring together a team of engineers, each committed to professional growth and staying up to date with the ever-evolving field of engineering? [Consider launching your NSPE Enterprise Membership!](#)

In today's rapidly changing engineering landscape, having a group of experts with diverse skills is essential. To rise to the challenges of this environment, engineers must commit to continuous upskilling and lifelong learning. The skills demanded by the profession in 2024 include critical thinking, problem-solving, active learning, resilience, stress tolerance, and flexibility.

*"NSPE Enterprise Membership has proven to be a valuable program for our engineering team at Huitt-Zollars. It streamlines our membership process; the ability to make a single payment for multiple employees simplifies our administrative tasks and reduces time. Our engineers appreciate the continuous learning/professional development and networking opportunities provided by NSPE throughout the year."* — John Ho, P.E., F.NSPE, Vice President, Huitt-Zollars

### Key Advantages of NSPE Enterprise Membership

- **Unite Your Engineering Team:** NSPE Enterprise Membership brings together five or more individuals from your organization into one cohesive group.
- **Streamlined Billing:** Enjoy unparalleled member benefits and simplify the billing process with a single consolidated invoice and one payment for the entire group.
- **Gain Access:** Reach a wide network of multidisciplinary engineers across local chapters, state societies, and NSPE.
- **Dedicated Member Services:** Access customized member services through a single point of contact at NSPE for membership servicing and any questions your team may have.
- **Enjoy Discounts with Benefit Partners:** NSPE membership entitles your employees to deep discounts on a wide variety of publications, tech, office needs, test prep, insurance, and more.

[Learn more about the benefits of Enterprise Membership.](#)

You received this e-mail because you are subscribed to *PE Matters* e-newsletter.

To update your e-mail address, visit [www.nspe.org](http://www.nspe.org) and login to manage your account.

If you do not wish to receive any more issues of *PE Matters*, [click here](#) to unsubscribe .

**Share with your network**



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