

State News for NSPE Members

Vermont, New Hampshire Transmission Project Gets \$1.3 Billion in Federal Funding

Upwards of \$1.3 billion in federal money is coming to Vermont and New Hampshire to upgrade and build electric transmission lines to deliver hydropower from Canada, [according to WCAX](#).

The Twin States Clean Energy Link funding is part of the Bipartisan Infrastructure Law and will deliver clean energy from Canada to New England to support the region's carbon reduction goals.

"To realize the full benefit of the nation's goal of 100% clean electricity by 2035, we need to more than double our grid capacity and President Biden's Investing in America agenda puts us in position to do just that," US Secretary of Energy Jennifer Granholm said in a statement. "This historic effort to strengthen the nation's transmission will drive down costs for American families and deliver thousands of good paying jobs for American workers—helping communities keep the lights on in the face of climate change-induced extreme weather events."

The project is projected to lower costs for customers across New England, creating more than \$8.3 billion in wholesale energy market cost savings over the first 12 years, according to officials. It's also projected to generate hundreds of millions of dollars in new property tax revenues to host state cities and towns through which the line passes. [Read more](#).

UVM Enters Partnership on New Semiconductor Lab

An innovative Device Characterization Lab made possible by a partnership between the University of Vermont's College of Engineering and Mathematical Sciences (CEMS) and GlobalFoundries (GF) was recently unveiled, [VermontBiz reports](#).

The only educational semiconductor lab in the state, the new lab heralds an

essential phase of the ongoing initiative to prepare students to work in the rapidly expanding field. The facility features a suite of scientific testing and analysis equipment donated by GF.

“Our strategic partnership with GF continues to build on our shared commitment to developing a highly skilled workforce that positions Vermont as a leader in semiconductor development and manufacturing,” said Linda Schadler, dean of CEMS. “This cutting-edge facility is the first of its kind in Vermont and will provide a unique educational experience for our students.”

The seed of the project was planted last fall when the US Department of Education awarded UVM \$2.6 million to develop and implement expanded educational opportunities in semiconductor technology.

With the funding in place, a team of CEMS faculty members including Jeff Frolick, Matt Gallagher and Tian Xia in electrical engineering and Randy Headrick and Matt White in physics collaborated with their colleagues at GF to design an undergraduate certificate in semiconductor engineering and physics. [Read more.](#)

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

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.

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

