

Alliant Energy's

Onion River Solar Project

April 2023 update



The 150-megawatt Onion River Solar Project located in Sheboygan County, Wisconsin, is part of Alliant Energy's **Clean Energy Blueprint**, a strategic roadmap to cost-effectively accelerate our transition to renewable energy and reduce carbon emissions. Once complete, the project will positively impact the environment and generate enough energy to power around 40,000 homes.

Construction update

The Onion River Solar Project marked a significant milestone earlier this year as construction crews installed the first solar panel. Once complete, the site will have nearly 390,000 panels.

“This first panel placement would not have been possible without the support of the community and our local construction partners,” said Tim Kreft, senior manager of strategic projects at Alliant Energy. “This is an incredible milestone for Alliant Energy’s solar development in Wisconsin as we continue to make smart investments in a cleaner, safer and more affordable energy future.”

As of mid-March, we’ve installed approximately 10% of the panels.



We’ve also installed 40% of the piles, the metal posts that support the solar arrays, and we’ve completed nearly 22% of the tracking system. This involves racking that goes across piles horizontally to hold the panels, and motors that allow the panels to rotate with the sun.

We’re just over 75% finished installing the underground AC cable that brings electricity from the inverters to the substation. As we install solar panels, we’ll continue to place DC electrical cable that brings electricity from panels to inverter boxes.

We expect to complete the Onion River Solar Project by the end of this year.



Diversifying the grid

The demand for resilient, reliable energy is ever increasing. The role renewable sources play in the electric grid is more important than ever.

According to the International Energy Agency, energy needs worldwide will increase 30% by 2040. This will likely stress parts of the grid that are over a century old.

Renewable energy sources, like wind and solar, diversify the grid to increase reliability, flexibility and resilience. With diverse generating sources, some part of the grid can always produce energy. Learn more at alliantenergy.com/griddiversification.



How we plan renewable energy projects

Our engineers consider many factors to assess parcels of land for renewable projects. They evaluate topography, soil and bedrock conditions, flood zones, wetlands and wildlife habitat. They investigate potential project areas for archeological, historical and tribal significance. They think about community needs, access to communication networks, how to connect the project to the grid and much more.

According to Steve Greidanus, Alliant Energy's manager of generation engineering, "When our teams design renewable energy projects, we focus on environmental impact, cost and reliability to create a sustainable future in clean energy for our customers."

We celebrate the hard work of our engineers and all their efforts to build a better tomorrow.

Find out more at alliantenergy.com/engineersweek2023.

Find out what's next

We'll share additional updates, photos and details for the Onion River Solar Project throughout the construction process online at alliantenergy.com/onionriversolar.

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