



Four Creeks Wind Bulletin

Information and Updates about the Four Creeks Wind Project

IN THIS ISSUE

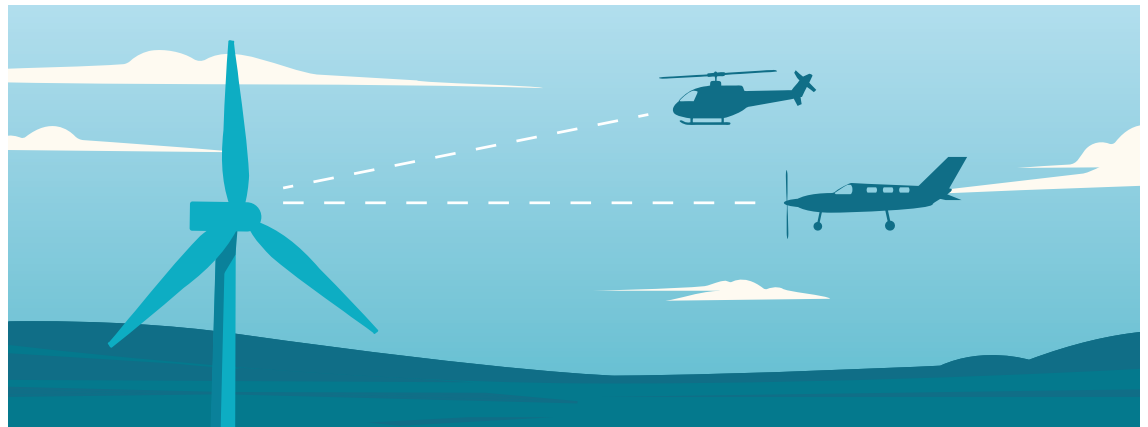
- What's Been Going On
 - ADLS Efficacy Analysis
 - New Local Representatives and Office Hours
- Ongoing and Upcoming Field Work and Studies
- Your Questions, Answered
- Four Creeks Wind in the Community
- Check Out Our Project Facebook Page
- In Support of the Four Creeks Wind Project? Let Us Know!

What's Been Going On?

ADLS Efficacy Analysis: 93% Reduction in Red Nighttime Lighting for Four Creeks Wind

We are excited to share the results of the Four Creeks Wind Aircraft Detection Lighting System (ADLS) activation analysis conducted by Capitol Airspace Group, an aviation consulting firm. In late 2015, the Federal Aviation Administration launched the standards for ADLS technology, which are designed to reduce the impact of nighttime lights through the integration of a radar-based detection system. Unlike traditional wind turbine lighting systems, which remain constantly lit during nighttime hours, this technology activates the turbine lights only when low-flying aircraft are detected nearby, significantly reducing light pollution while maintaining airspace safety. We intend to use ADLS for the project, pending FAA and FCC approval. Here's an overview of the study results:

- ADLS uses surveillance radar to detect when an aircraft enters and departs the Light Activation Area – a buffer zone around the project area. Once the aircraft leaves the buffer zone, the red lights turn off and ambient light levels resume.
- The buffer zone assessed by Capitol Airspace was measured at 3.55 nautical miles around the Four Creeks Wind project area and 3,500 ft above the highest wind turbine height.
- The report found that up to 21,269 aircraft flight paths from recent years ("tracks") overlap with the buffer area. However, most of these tracks occur during daytime hours, with only approximately 2,966 tracks crossing the buffer area during nighttime hours.
- Out of approximately 4,678 nighttime hours per year, the report predicts that ADLS-controlled detection lights would be activated only **284 hours and 53 minutes per year (an average of less than 1 hour per day)**. This accounts for an over **93% reduction in activation of the flashing red safety lighting at night**.
- We are excited to incorporate ADLS into the design of our wind project to minimize the visual impact to the nighttime sky, while ensuring safety of local aviators and complying with FAA requirements.



New Local Representative and Office Hours

We're excited to share that Brimfield native Melissa Gilles has joined the Four Creeks Wind team as our Local Representative. She will be another resource for landowners and the public as we advance the development of the project, and we're thrilled to have her on board.

Going forward, we will be hosting weekly office hours, during which you can stop by the office to ask project-related questions or share your concerns. We hope you drop in and welcome Melissa to the team!

NEW OFFICE HOURS:

**Tuesdays and Thursdays 8:00 – 10:00 AM
and 2:00 – 5:00 PM or by appointment**

OFFICE:

118 E. Knoxville St. Suite #C • Brimfield, IL 61517

Local Representative:

Melissa Gilles

Phone:

309-431-5236

Email:

info@fourcreekswind.com

Project Manager:

Carson Robers

Phone:

832-971-6851

Email:

carson.robbers@repsol.com

fourcreekswind.com



FOUR CREEKS WIND

A Repsol Project

Ongoing and Upcoming Field Work

- **Wind Turbine Geotech/Hydrology** consisting of seasonal ground water readings at piezometers installed throughout the project area to inform the turbine foundation design
- Additional **Wetland Delineations** and **Archaeological Surveys** of the proposed infrastructure location corridors on participating land to supplement those completed at the end of 2024
- **Meteorological Tower Maintenance** to ensure continued local wind data collection

Your Questions, Answered

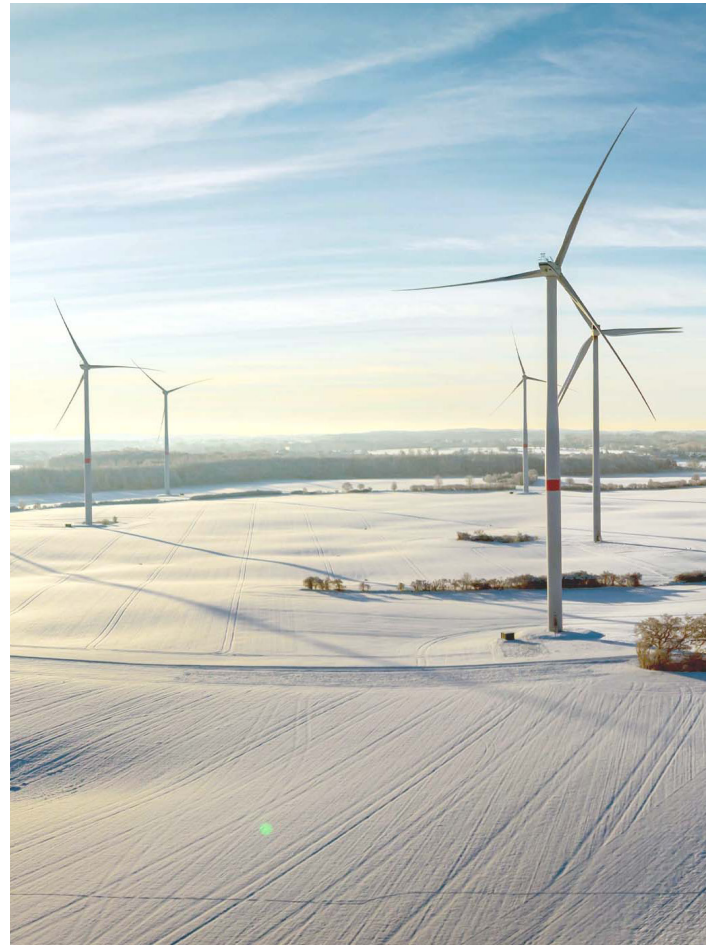
If there's a topic you'd like to see addressed in our next newsletter, contact us at fourcreeks@repsol.com or send us a message through our contact form on the Four Creeks Wind project website <https://www.fourcreekswind.com/contact/>.

Do wind turbines accumulate ice in the winter and 'throw' ice?

As with any structure, wind turbine blades may accumulate ice under certain atmospheric conditions. The formation of ice can counteract the amount of power being produced, so having de-icing strategies in place is important to maximize a project's potential.

The possibility of ice throw is considered during both project planning and operation. The proper siting of wind turbines through appropriate setbacks from roads, dwellings, and other structures mitigates from the risk of ice throw, and the Four Creeks Wind project is being designed to exceed all applicable setback distance regulations.

Modern wind turbines are also designed with ice detection systems to minimize the potential for ice throw. If ice accumulates on the blades, the turbine will slow down or shut off until the ice melts. Further, measures can be put in place to minimize the potential for ice to accumulate on the blades, including water-resistant coatings and internal heating systems.



Four Creeks Wind in the Community

Supporting our project communities is an important part of what we do. Please let us know if there are community events or organizations with which we should get involved.

- In March 2025, we contributed \$1,000 to the Corn Stalk Theatre in support of their theatre tent fundraising
- On March 19th we held an Office Warming at our Brimfield office formally welcoming the public to our local project office



Check Out Our Project Website

We launched a project Facebook Page to help keep you informed! Search for Four Creeks Wind and follow or like the page for information and updates.

In Support of the Four Creeks Wind Project? Let Us Know!

If you're in support of the Four Creeks Wind Project and the long-term benefits it will bring to Northwest Peoria County, we'd love to hear from you. Please call (832) 971-6851 or email carson.robbers@repsol.com to learn about different ways to show your support.



FOUR CREEKS WIND

A **Repsol** Project

1221 McKinney, Ste. 1900
Houston, TX 77010

Information & Updates about the Four Creeks Wind Project

MARCH 2025