



# WIND-WILDLIFE TECHNOLOGY TESTING

at NREL's National Wind Technology Center

## MORE INFO

[www.nrel.gov/wind/wildlife-technology-research-development.html](http://www.nrel.gov/wind/wildlife-technology-research-development.html)

Photo by John de la Rosa/Dennis Schroeder, NREL 35801

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Office of Energy Efficiency and Renewable Energy  
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The National Renewable Energy Laboratory's (NREL's) National Wind Technology Center outside of Boulder, Colorado, can support testing of a wide range of wildlife detection and deterrent technologies designed to reduce bird and bat fatalities at wind energy projects. The focus is on research to prove feasibility through to prototype technology demonstration (Technology Readiness Levels 3–6) to help advance development of different technologies. This support will serve as a pipeline to the American Wind Wildlife Institute's technology verification program and other similar commercialization-support efforts.

*Photo by Ismael Mendoza, NREL 33032*

## MORE INFO

National Renewable Energy Laboratory  
15013 Denver West Parkway  
Golden, CO 80401  
303-275-3000 • [www.nrel.gov](http://www.nrel.gov)

**Over the past several years, NREL has participated in or led several initiatives in this area, including:**

- Testing of radar and visual camera systems using eagles and falcons
- Evaluating bird strike detection technologies
- Assisting U.S. Geological Survey experiments through the installation of thermal imaging cameras and management of data collection
- Analyzing available avian detection and deterrent technology to help an offshore wind developer meet pending permit requirements
- Hosting meetings that focus on wildlife detection and deterrent mitigation
- Convening wildlife statisticians, biologists, and engineers to develop testing protocol to determine the effectiveness of emerging avian and bat detection and deterrent technologies.

Elise DeGeorge, [Elise.DeGeorge@nrel.gov](mailto:Elise.DeGeorge@nrel.gov)  
Karin Sinclair, [Karin.Sinclair@nrel.gov](mailto:Karin.Sinclair@nrel.gov)

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