



WIND-WILDLIFE

TECHNOLOGY TESTING
at NREL's National Wind Technology Center

MORE INFO

www.nrel.gov/wind/wildlife-technology-research-development.html

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

NREL is a national laboratory of the U.S. Department of Energy
Office of Energy Efficiency and Renewable Energy
Operated by the Alliance for Sustainable Energy, LLC



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

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
Karin Sinclair, Karin.Sinclair@nrel.gov

NREL is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, operated by the Alliance for Sustainable Energy, LLC.

NREL/MK-5000-67350 • November 2016

NREL prints on paper that contains recycled content.