

Technology Development and Innovation to Address Wind Wildlife Operational Challenges

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Abstract

Keywords: *wind, wildlife, mitigation, deployment, validation*

As the wind energy industry in the United States continues to expand, there is an increased need for proven and cost-effective tools that reduce impacts on wildlife. To date, the suite of impact-reduction strategies (e.g., wildlife operational curtailment) and techniques, many of which are in various stages of testing for effectiveness, has been limited. This presentation emphasizes the importance of early-stage technology characterization and development through case studies that highlight the benefits of testing wind-wildlife technology prototypes in a controlled environment. Included will be information on how NREL's National Wind Technology Center can support the development, validation, and engineering of emerging technologies.