

# Call for Abstracts



The banner features the National Wind Coordinating Collaborative logo on the left, followed by the text "Wind Wildlife Research Meeting VIII" in large white font, "October 19-21, 2010" below it, and "Lakewood, Colorado" on the right. Below the text is a row of five images: a wind turbine, a bird of prey, a coastal wind farm, a bat, and another wind turbine. Small text below each image reads "Photo courtesy of NREL" or "Photo courtesy of NPS".

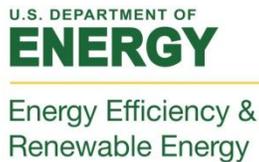
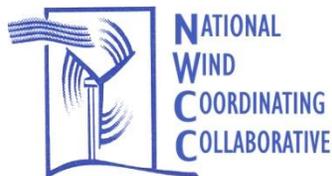
**NATIONAL WIND COORDINATING COLLABORATIVE**  
www.nationalwind.org

## Wind Wildlife Research Meeting VIII

October 19-21, 2010  
Lakewood, Colorado

<http://www.nationalwind.org/issues/wildlife/researchmeetingviii.aspx>

Presented By:



AND OTHERS

# CALL FOR ABSTRACTS

Abstracts Due May 10, 2010

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The National Wind Coordinating Collaborative (NWCC) Wildlife Workgroup is calling for the submission of abstracts for presentations at the eighth biannual *Wind Wildlife Research Meeting (VIII)*. Scheduled for October 19-21, 2010, in Lakewood, Colorado, this meeting provides an internationally recognized forum for researchers, stakeholders, and the general public to hear about and discuss the most recent wind power-related wildlife research. Participants will examine current research on impacts of wind development on wildlife and methods for minimizing and mitigating adverse impacts on wildlife resulting from the development of wind energy. Presenters will share research findings (preliminary and final) or analyses that have been conducted since the previous research meeting (Fall 2008).

In addition to examining questions about wind power deployment strategies and practices and impacts related to wildlife, the meeting organizers encourage papers that will support discussions about the broader applications of the research results to both project and policy management decisions. Topics could include:

- methods for assessing long-term impacts to wildlife from wind energy;
- whether the monitoring data are representative of observed patterns and can be applied to improve management decisions;
- how the data might be aggregated into meta-analyses with broad applicability; and
- what knowledge gaps and research needs exist.

## Wind Wildlife Research Meeting History

Since its formation in 1994, the National Wind Coordinating Collaborative (NWCC) has sought to support the development of an environmentally, economically, and politically sustainable market for wind power. By bringing together representatives from the wind industry, energy utilities, regulatory agencies, state and federal government, tribal entities, power marketers, and other stakeholders, the NWCC helps to identify needs and enable coordinated efforts towards solving some of the biggest challenges for the expansion of wind energy. Beginning in July 1994, the NWCC has conducted seven biennial meetings featuring the state-of-the-art in research on wind and wildlife interaction.

As the science has progressed over the years, the topics of discussion for the meeting have shifted to address key and emerging topics. For proceedings of previous NWCC wildlife research meetings, please visit the NWCC website at: <http://www.nationalwind.org/issues/wildlife/meetingproceedings.aspx>.

## Meeting Sponsorship

This meeting is cosponsored in part by the National Wind Coordinating Collaborative, Department of Energy Office of Energy Efficiency and Renewable Energy, Bats and Wind Energy Cooperative, American Wind Wildlife Institute, Horizon Wind Energy, National Renewable Energy Laboratory, U.S. Offshore Wind Collaborative, and several other organizations. If your organization would like to cosponsor this event, please contact Lauren Flinn at [lflinn@resolv.org](mailto:lflinn@resolv.org) or 202-965-6213.

## Topics of Interest

Abstracts are sought for five of the research meeting's six sessions.<sup>1</sup> This year the meeting will feature study results for both terrestrial and offshore wind power, although the majority of the meeting will focus on terrestrial wind power.

1. Fatality Impacts to Birds and Bats
2. Cumulative and Landscape-Scale Impacts to Specific Species or Groups
3. Impacts to Wildlife Habitat and Behavior
4. Mitigation Techniques and Technology
5. Understanding of the Current Knowledge of Offshore Wind and Wildlife Issues

For prompting questions and sample topics of interest within each session, please see Appendix A of this document.

On behalf of the planning committee, NWCC staff will accept abstracts for presentations to be given at the meeting. Abstract submissions will be reviewed and accepted by a panel of experts. Abstracts not accepted for presentation may be selected for presentation at a poster session. The planning committee is looking particularly for presentations **based on research or analyses that have been conducted since the previous NWCC research meeting in October 2008**. Your submission, **using the form found in Appendix B of this document**, should include an abstract no longer than 400 words. The submission should include, at a minimum, the following information:

- *The proposed presentation title*
- *Author(s) and presenter*
- *Research objectives, including hypotheses being tested*
- *Methodology, statistical analyses, and timeframe*
- *Research location and setting*
- *A brief summation of results, indicating whether they are preliminary or final (only empirically-based "findings" please)*
- *Management implications of the findings to be presented at meeting*
- *Will the data/study submitted be independently peer reviewed prior to Wind Wildlife Research Meeting VIII? If so, by whom?*

Please send your submissions electronically to Lauren Flinn at [lflinn@resolv.org](mailto:lflinn@resolv.org) **no later than Monday, May 10, 2010**. Please notify Lauren Flinn no later than April 30<sup>th</sup> of your intent to submit. Late abstracts will be accepted and reviewed based on available space within the meeting agenda. The planning committee will review submissions and notify authors of acceptance by mid-July. Questions or comments related to the meeting and abstract submission may be directed to Abby Arnold at [aarnold@kearnswest.com](mailto:aarnold@kearnswest.com) or 202-535-7800.

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<sup>1</sup> Short briefings on state and national policy activities will also be given at the meeting.

# Appendix A: Topics of Interest

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Topics of interest and corresponding questions to be addressed for Wind Wildlife Research Meeting VIII sessions include, but are not limited to:

- ***Fatality Impacts to Birds and Bats:*** preliminary and final research on direct impacts, including species/guild specific findings, methodologies for predicting and estimating impacts, and whether impacts are influenced by increased deployment and changing technologies.
  - Have any new methods been developed or adapted for estimating bird and/or bat fatalities at wind energy facilities?
  - What is known about fatality impacts resulting from bird and/or bat interactions with wind energy facilities?
  - What is known about the efficacy of pre- and post-construction surveys in predicting direct impacts?
  
- ***Cumulative and Landscape-Scale Impacts to Specific Species or Groups:*** preliminary and final research investigating cumulative impacts to birds and bats from wind energy development, both from multiple wind projects and from wind and other energy developments.
  - How might cumulative impacts change given increased rates of development and changes in technology?
  - Are any effective new methods available for assessing cumulative impacts to species from wind energy facilities?
  - Can landscape ecology be applied to address the impacts of wind energy development on wildlife and habitat?
  - How can genetic information be used to assess the potential for impacts on specific wildlife populations due to wind energy development?
  - How can genetic information be used to monitor and evaluate population impacts to entire species?
  - How can climate change impacts be incorporated into cumulative and landscape scale methodologies?
  
- ***Impacts to Wildlife Habitat and Behavior:*** preliminary and final research on habitat and behavioral impacts to wildlife from wind energy development (or other developments that might be analogous to the impacts from wind), implications for setting research priorities, and the efficacy of current methods for predicting and estimating impacts.
  - What is known about the efficacy of pre- and post-construction surveys in predicting indirect impacts?
  - What is known about impacts to habitat; what research is still needed?
  - Are new methods available for estimating impacts to wildlife habitat or wildlife behavior from wind energy development?
  - What is known about behavioral impacts, especially effects on reproductive behavior (e.g., courtship), and avoidance or attraction to turbines and related facilities?

- What studies have been conducted investigating habitat, behavioral, and other impacts to wildlife other than birds and bats (e.g., ungulates)?
- How can the spatial analysis capability of GIS and other habitat mapping tools be utilized to improve predictive accuracy?
- **Mitigation Techniques and Technology:** preliminary and final research into the effectiveness of current mitigation strategies for direct and indirect impacts; updates on promising new risk-reduction technologies:
  - Effectiveness of various techniques and technologies for use in mitigating direct impacts and indirect impacts. Are there promising new techniques?
  - Effectiveness of applied management and results, as well as implications for resources and operations.
- **Understanding of the Current Knowledge of Offshore Wind and Wildlife Issues:** preliminary and final research on how offshore wind development affects wildlife.
  - How do offshore methods of assessment differ from terrestrial impacts?
  - What are the preliminary findings from field studies in the Atlantic, Great Lakes, and Gulf of Mexico?
  - What is the knowledge base for endangered species or species of concern at coastal sites?
  - What standards and protocols are available for understanding:
    - Direct impacts from offshore wind projects?
    - Habitat impacts from offshore wind projects?
    - Cumulative impacts from offshore wind?
    - Behavioral impacts from offshore wind?
  - What has been learned from offshore wind projects in Europe and how would this inform issues in the U.S.?

## Appendix B: Abstract Submission Form

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Using the submission form at <http://www.nationalwind.org/asset.aspx?AssetId=298>, please provide the information requested for the proposed presentation.