

**USFWS
WIND TURBINE GUIDELINES ADVISORY COMMITTEE
TECHNICAL WORKSHOP AND
FEDERAL ADVISORY COMMITTEE MEETING**

**DRAFT AGENDA
FEBRUARY 26-28, 2008**

**SOUTH INTERIOR AUDITORIUM
1951 CONSTITUTION AVE, NW
WASHINGTON, DC 20240**

FEBRUARY 26-27 WIND TURBINE TECHNICAL WORKSHOP

- Review what is known and remaining questions about siting wind energy development projects on land
- Review federal and state guidelines relevant to siting wind facilities on land

FEBRUARY 26, 2008

USFWS Technical Workshop on Siting Wind Facilities

Invitees: FAC Members and designated alternates, staff of relevant organizations and technical experts, and members of the public who are involved in the wind turbine siting ongoing dialogue.

Days 1 & 2 – Technical Workshop

The Workshop is open to the public. The Workshop is an opportunity for the Federal Advisory Committee Members to be presented with up to date information about issues associated with development of wind power and issues associated with wind/wildlife interaction.

Protocol for Questions & Comments for Days 1 & 2

At designated times during the workshop, questions from the FAC Members will be invited and, as time allows, additional questions from the public will be taken. Questions that cannot be taken in the time available will be recorded and distributed to committee members.

Additionally, for members of the public who want to provide a comment to the Workshop Attendees, there is a designated time on the agenda during Day Two, February 27th for those parties who have signed a “Comment Sign-Up Sheet.” Comments may need to be held to 3 minutes, depending on the number of parties who request time to comment. If time does not allow for all comments from the public in attendance or on the conference call line, members of the public will be asked to write their comments down on index cards or send them by email. Comments will be recorded electronically and distributed to all FAC members after the FAC meeting.

FEBRUARY 26, 2008, CONTINUED

Purpose for Day:

To hear about the most up to date research on what is known about wildlife impacts and how to minimize impacts from development of wind power when siting wind facilities.

7:30 – 8:15	<u>Registration</u>
8:15 – 9:30	<p><u>Introductions</u> <i>D.Stout, DFO/USFWS; A.Arnold, Facilitator</i></p> <ul style="list-style-type: none"> ➤ Introductions of FAC members ➤ Overview of why we are here <i>D.Stout, USFWS</i> <ul style="list-style-type: none"> ○ <i>Introduction to USFWS authority and responsibility</i> ○ <i>Charge FAC will undertake</i> ➤ Review purpose of workshop <i>A.Arnold, Facilitator</i> <ul style="list-style-type: none"> ○ <i>Role of technical workshop in setting stage for the FAC deliberations</i> ➤ Review two day workshop agenda ➤ Review groundrules for February 26-27 Technical Workshop <p><i>Questions and Answers (see page 1)</i></p>
9:30 – 11:00	<p><u>Overview of Wind Development</u> <i>Wayne Walker, Wayne Walker Conservation Consulting LLC</i></p> <p><i>(Brief overview of wind development planning, construction, operation stages for a wind power project)</i></p> <ul style="list-style-type: none"> ➤ <i>Overview of wind development process: including financing, economic, market, environmental, siting, state and federal policy or other considerations</i> ➤ <i>What considerations does a wind developer take into account when siting a wind development project?</i> ➤ <i>What are the wind industry’s perspectives on wildlife impacts?</i> ➤ <i>Is there a difference in siting steps between a “smaller” facility (1-5 turbines) vs. a larger facility?</i> ➤ <i>What is the federal or state nexus? And under what authorities?</i> <p><i>Questions and Answers (See page 1)</i></p>
11:00 – 11:20	<i>Break</i>

<p>11:20 – 12:30</p>	<p><u>Review What Is Known and Remaining Questions About Impacts to Wildlife Habitat and Siting Wind Development Projects on Land</u></p> <p><i>What is known about Avian/Wind Power Interaction?</i> <i>M.Morrison, Texas A&M University (by phone); D.Strickland, Western EcoSystems Technology, Inc. (in person)</i></p> <ul style="list-style-type: none"> ➤ <i>What is the range of avifauna impacted, or suspected of impact?</i> ➤ <i>What do we know about the degree of impact? (direct mortality, habitat impact?)</i> ➤ <i>What do we know about cumulative impacts, from wind and other human induced affects?</i> ➤ <i>What do we know about available methods and metrics to predict probability of impact? What is our level of certainty that these methods are accurately predicting impacts?</i> ➤ <i>What do we know about habituation, or other behavioral aspects?</i> ➤ <i>What are the major areas of uncertainty?</i> ➤ <i>References and resources for the FAC to know about</i> <p><i>Presentation prior to lunch with time available for Questions and Answers after lunch.</i></p>
<p>12:30 - 1:45</p>	<p>Lunch <i>(on your own)</i></p>
<p>1: 45 – 2:10</p>	<p><i>What is known about Avian/Wind Power Interaction?, continued</i> <i>Questions and Answers (see page 1)</i></p>
<p>2:10 – 3:30</p>	<p><i>What is Known About Bat Wind Power Interaction and Remaining Questions?</i> <i>Paul Cryan, USGS</i></p> <ul style="list-style-type: none"> ➤ <i>What is the range of bats impacted, or suspected of impact?</i> ➤ <i>What do we know about the degree of impact? (direct mortality, habitat impact?)</i> ➤ <i>What do we know about cumulative impacts, from wind and other human induced affects?</i> ➤ <i>What do we know about available methods and metrics to predict probability of impact? What is our level of certainty that these methods are accurately predicting impacts?</i> ➤ <i>What do we know about habituation, or other behavioral aspects?</i> ➤ <i>What are the major areas of uncertainty?</i> <p><i>Questions and Answers (see page 1)</i></p>
<p>3:30 – 3:45</p>	<p>Break</p>
<p>3:45 – 4:30</p>	<p><i>What is Known About Other Wildlife, Including Habitat Impact Considerations of</i></p>

	<p><i>Wind Power Interaction?</i> <i>Jay Pruett, The Nature Conservancy</i></p> <ul style="list-style-type: none"> ➤ <i>What is the range of wildlife impacted, or suspected of impact?</i> ➤ <i>What do we know about the degree of impact? (habitat, other?)</i> ➤ <i>What do we know about cumulative impacts, from wind and other human induced affects?</i> ➤ <i>What do we know about available methods and metrics to predict probability of impact? What is our level of certainty that these methods are accurately predicting impacts?</i> ➤ <i>What do we know about habituation, or other behavioral aspects?</i> ➤ <i>What are the major areas of uncertainty?</i> <p><i>Questions and Answers (see page 1)</i></p>
<p>4:30 – 5:00</p>	<p><u>How Are Non-Governmental Entities Working to Avoid Negative Impacts From Wind Energy Development?</u> <i>Jay Pruett, The Nature Conservancy; Wayne Walker, Wayne Walker Conservation Consulting LLC</i></p>
<p>5:00 – 5:25 <i>(including break)</i></p>	<p><u>Discussion / Questions</u> <i>As time allows, FAC Members offer initial questions/thoughts about what they have heard (see page 1).</i></p>
<p>5:25-5:30</p>	<p><u>Next Steps and Adjourn</u></p>

1:30- 2:30	<p><u>Models or Frameworks for National or State Approach to Avoid and Minimize Wildlife Impacts From Other Kinds of Projects</u>, <i>continued</i></p> <p>➤ APLIC <i>Jim Burruss, Pacificorp; Al Manville, USFWS</i> ➤ HCP <i>Rick Sayers, USFWS</i></p>
2:30- 2:45	<p><i>Break</i></p>
2:45 – 3:15	<p><u>Public Comment</u></p> <p><i>Members of the public interested in commenting will need to keep their comments to 3 minutes and sign the “Comment Sign-Up Sheet” at the registration desk.</i></p>
3:15 - 5:30	<p><u>Review and Insights From Two Days</u> <i>Committee members reflect on questions, ideas, next steps for Committee</i></p>
6:00 pm	<p>Adjourn</p>

FEBRUARY 28, 2008

FIRST WIND TURBINE GUIDELINE ADVISORY COMMITTEE MEETING CONVENES

- Discuss proposed approach and timelines for organizing the FAC on Wind/Wildlife
- Discuss Secretary of the Interior charge to the FAC
- Discuss groundrules for the FAC
- Discuss timelines and process steps

Day 3 – Formal FAC Meeting

Comments Protocol for FAC Meeting

If you are a member of the public and want to make a comment to the FAC, please sign up on the “Comment Sign-Up Sheet” at the registration desk. Comments will be taken at the designated time on the agenda. Comments may need to be held to 3 minutes, depending on the number of parties who request time to comment. If time does not allow for all comments, then members of the public will be asked to write their comments down and submit them to the FWS staff at the registration desk. All comments will be made part of the public record and will be electronically distributed to all FAC members after the FAC meeting.

8:00 – 8:15	<u>Welcome & Overview of Agenda</u> Introductions of all FAC members ➤ Review and agree on agenda for the day	<i>D.Stout, DFO/USFWS / A.Arnold, facilitator</i>
8:15 – 8:45	<u>Federal Advisory Committee Act Orientation</u> <i>Objectives: Review expectations and procedures under the Federal Advisory Committee Act (FACA).</i> Presentation by DOI expert on FACA	<i>Cindy Carafalo, DOI</i>
8:45 – 9:45	<u>Proposed Dates and Milestones for FAC</u> <i>(Objectives: Review preliminary plans, structure of FAC, and possible milestones. Agree on proposed meeting dates in 2008)</i>	<i>A.Arnold, facilitator</i>
9:45 – 10:05	<i>Break</i>	
10:05 – 10:50	<u>Proposed Groundrules for Wind Turbine Guidelines FAC</u> <i>(Objectives: Review the proposed groundrules for the Wind/Wildlife FACA and identify any suggested changes needed to ensure a productive process.)</i>	<i>A.Arnold, facilitator</i>
10:50 – 11:30	<u>Review and Discuss Categories of Questions for FAC to Address</u> ➤ <i>Overview of questions raised during convening calls</i> ➤ <i>What additional questions or topics would you like the FAC to address?</i> ➤ <i>Outside of the FAC, what technical expertise will be needed?</i> <i>(Review categories of questions, so that we can begin to identify technical expertise outside of the FAC that we want to invite to advise the FAC)</i>	<i>A.Arnold, facilitator</i>
11:30 – 1:00	<u>Lunch</u> <i>(on your own)</i>	

1:00 – 2:15	<u>Review and Discuss Categories of Questions for FAC to Address</u> , <i>continued</i>
2:15 – 3:00	<u>Discuss Organizing Subcommittee/Technical Expertise</u> <i>A.Arnold, facilitator</i> <i>(Discuss approach to identifying technical experts and how to create agreement on charge to experts)</i>
3:00 – 3:30	<u>Public Comment</u> <i>(may be earlier, depending on FAC schedule)</i> <i>(Members of the public are invited to speak to the FAC; Please sign up on the Public Comment Form; time permitting each party will be asked to keep their comments to 3 minutes each. Written comments will be accepted by the Committee.)</i>
3:30-4:00	<u>Wrap Up and Review Next Steps</u> <i>A.Arnold, facilitator</i>
4:00	<u>Adjourn!</u>