Science Tools & Procedures Subcommittee of the
Wind Turbine Guidelines Advisory Committee
Meeting in Lakewood, CO – June 18, 2008

Draft Summary

Participants:

Robert Robel	Ed Arnett (via phone)	Dale Strickland
Taber Allison	Cheryl Amrani, FWS	

- The subcommittee held a working lunch during the Wind Turbine Guidelines Advisory Committee workshop held at the Service's Regional Office in Lakewood, Colorado.

- Ed Arnett provided the group with: a spreadsheet of categories of questions that are answered by various methods and metrics; and a summary of the questions alluded to in guidelines from five States, one Province, the NRC report, and the TWS technical review.

- Subcommittee reviewed documents. Discussion included the following issues/questions:

  - ✓ Research vs. short/long term monitoring needs
  - ✓ What would be part of a risk assessment vs. research?
  - ✓ Developer: given what we know, what data should we collect to assess risk?
  - ✓ Data analysis over time → prediction tools
    - e.g., Best method for pre-assessment of site use by bats may be acoustics – if companies collect data and analysis shows correlation with fatalities, that provides a predictive tool for future use
  - ✓ Recommendations could suggest collecting data that may not be necessary for a specific project but would be useful over time
  - ✓ Whether the site is appropriate for wind development is a policy question
  - ✓ Distinguish between tools for monitoring and tools for research that may need further development (e.g., radar – needs correlation with fatality data, etc.)

- **Action:** Refine questions and methods (see below) – due **June 26** for e-mail distribution, to be discussed at **July 1** teleconference –

Bird fatalities	Dale Strickland
Bird habitats	Robert Robel
Bats	Ed Arnett
Peer review	René Braud/Doug Johnson

1. ID major questions for monitoring, research
2. How should this information be used?
3. What methods are available to address the questions?
4. ID resources available to locate these methods
5. Address level of confidence (later)
6. Address level of effort (later)