

MINUTES

MEETING OF THE TECHNICAL COMMITTEE ESTABLISHED BY THE NEW HAMPSHIRE SITE EVALUATION COMMITTEE IN DOCKET NO. 2006-01: APPLICATION OF LEMPSTER WIND, LLC ORDER AND DECISION ISSUED JUNE 28, 2007

February 27, 2009

The Lempster Wind, LLC Technical Committee meeting began at 9:30 am. on Friday, February 27, 2009. The following Committee members were present: New Hampshire Fish and Game Department (represented by Mike Marchand); Public Service Company of New Hampshire (represented by Kevin Bemis alternate for Richard Dumore); United States Fish and Wildlife Service (represented by Maria Tur); New Hampshire Office of the Attorney General (represented by Lauren Noether); New Hampshire Audubon (represented by Carol Foss); Iberdrola Renewables (represented by Kristen Goland); and New Hampshire Office of Energy and Planning (represented by Joseph Broyles). The following matters were discussed.

1. **Agenda Review.** Kristen Goland convened the meeting and requested discussions of any additional agenda items. Carol Foss requested specific transect discussions and members of the TC suggested moving through the draft paragraph by paragraph covering all items listed on the agenda.

2. **Distribution of follow-up materials.** Kristen distributed, via CD, follow-up information requested at the prior meeting including the Iberdrola Renewables Avian and Bat Protection Plan, copies of transcripts from Docket 2006-01 relating to multiple years of studies, and the “Dr. Gibbs” analysis conducted for the Maple Ridge study in New York. Joseph Broyles asked for presentation materials from the prior meeting. Kristen indicated she is working on obtaining them from Stantec.

3. **Announcement of Third Party Consultant.** Kristen announced that WEST, Inc. would be conducting the post-construction studies for the Project. She indicated WEST was the pioneer in original post-construction fatality studies and many protocols in existence today are as a result of their work. The work will be conducted out of their new office in Waterbury, VT by David Tidhar and Wendy Tidhar and overseen by David Young.

4. **Discussion of Project Protocols.** Members discussed the objectives of the study. Kristen requested that objectives not exceed those explicitly stated in the permit. It was agreed that condition (e) of the permit be added to the objectives. Maria Tur requested the minutes reflect USFWS desire for 3 years post construction studies.

- Search Area and Transects. TC members agreed radius and diameter were reversed. Search area was enlarged to cover a maximum of 120x130 at all sites where possible. Maria requested the turbine near the field to be searched a greater distance downwind due to potential “wind wake” effect. Maria will investigate and report back current studies investigating this effect. Carol Foss requested additional information regarding the ability to reverse search direction

and 90 degree orientation of the transects. Kristen agreed to follow-up with Ed Arnett to see what has been applied at other sites.

- **Search Period.** Maria suggested moving spring date from May 31 to June 15 to capture late migrants. Carol indicated that the dates were appropriate for majority of late migration but suggested April 1 to capture majority of early migrants may be appropriate. TC agreed to move start date to April 1. Kristen will request that researchers inform Iberdrola if late migration warrants extended study periods
- **Searcher Frequency.** TC agreed all 12 turbines and 1 met tower will be searched. Maria requested that 1 turbine be searched every 3 days. Kristen and Maria agreed to confirm with BCI if searching every 7 days is considered sufficient for estimating mortality and if searching a single turbine every day would yield an improved data set.
- **Recording of Data.** TC members discussed the use and need of weather data. Carol discussed the use of the CA injury checklist. TC members agreed a checklist would be useful. Kristen will inquire on applicability/adaptation with the researchers. Lauren requested transparency with reports and findings, specifically Lauren requested that the consultant have no confidentiality agreements with the developer because she believed the consultant would be hired to provide studies and reports to the TC. Lauren believed that there should be a way to incorporate this into the protocols, perhaps under the reporting section and that the TC should have access to field notes or information forming the basis of the reports. TC agreed that if at any point in the study season the researchers discover something that may compromise the integrity of the research they are to immediately notify Iberdrola. Iberdrola will be responsible for convening the TC. Mike requested a definition of a catastrophic event be defined. Kristen agreed to consult WEST to see what parameters they would use to define a problem.
- **Field Bias Trials for scavenging and searcher efficiency.** Maria requested that any specimens found not to be necessary for trials be given to the USFWS. Kristen suggested changing scavenging search regime to that suggested by WEST. Mike requested an explanation of randomization be requested of WEST and their proposed field bias trials of 1,2,3,4,5,7,10, and 14 days.
- **Reporting.** TC agreed that the progress report should be submitted by June 30. TC agreed that final report shall include all field documentation. Joseph Broyles requested the minutes reflect the desire of some members of the TC examine fatality rates for correlation with weather data once the first year of fatality estimate data is available.

5. Next Steps. Kristen indicated she will create the meeting minutes and revise the DRAFT protocols as discussed by Monday, March 2. Individual TC members will need to research topics volunteered at the meeting and be prepared for e-mail discussions during the next week. The TC agreed to meet again and formally vote on the protocols on March 9.

The meeting was adjourned at 12:00 p.m.

Submitted by Kristen Goland and circulated to the Technical Committee on March 1, 2009. Corrections are required not later than close of business on March 3, 2009. Please

submit all corrections via e-mail to Kristen Goland and cc the entire Technical Committee.