

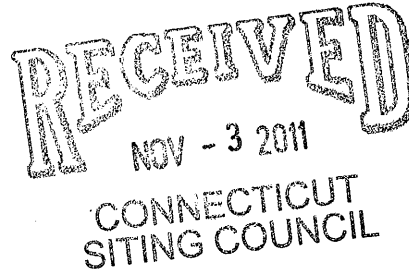
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November 1, 2011

VIA ELECTRONIC MAIL AND U.S. MAIL

Linda L. Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051




Re: Petition 983 - BNE Energy Inc., Flagg Hill Road, Colebrook, CT

Dear Ms. Roberts:

BNE Energy Inc. hereby submits an original and 16 copies of its responses to the Siting Council's Third Set of Interrogatories in connection with the above-referenced Petition.

If you have any questions concerning this submittal, please contact the undersigned at your convenience. Please return a date-stamped copy of this filing in the enclosed envelope. Thank you in advance for your assistance.

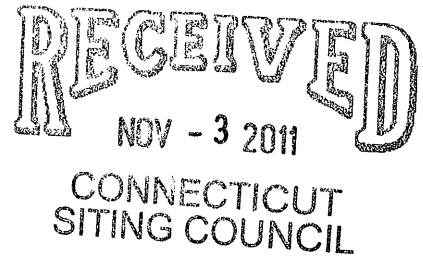
Respectfully submitted
BNE ENERGY INC.

By: 
Lee D. Hoffman
Its Attorney

cc: Service List for Petition 983
Melanie A. Bachman (via electronic mail)
Michael A. Perrone (via electronic mail)

ACTIVE/72955.2/MSTONE/2618436v1

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL



BNE Energy, Inc. Petition For a Declaratory Ruling That No Certificate of Environmental Compatibility and Public Need Is Required for the Construction, Maintenance, and Operation of a 4.8 MW Wind Renewable Generating Facility Located on Flagg Hill Road, Colebrook, Connecticut.

Petition 983

November 1, 2011

**PETITION 983: BNE ENERGY
COLEBROOK, CONNECTICUT
D&M INTERROGATORIES, SET THREE**

Q1. In section 2.1.4.3.5 (page 10) of the “Study Plan for Post-construction Fatality Monitoring and Bat Acoustic Monitoring for the Colebrook Wind Resource Area, Litchfield County, Connecticut”, the Greek letter “pi” or π is the estimate of the average probability of the carcass being available at a search and detected. Provide the derivation and formula for π based on its context in this report?

A1. The calculation is as follows:

$$\pi = \frac{\bar{t} - p}{I} \left[\frac{\exp\left(\frac{I}{\bar{t}}\right) - 1}{\exp\left(\frac{I}{\bar{t}}\right) - 1 + p} \right]$$

This formula has been independently verified by Shoenfeld (2004). The final reported estimates of m and associated standard errors and 90% confidence intervals will be calculated using bootstrapping (Manly 1997). Bootstrapping is a computer simulation technique that is useful for calculating point estimates, variances, and confidence intervals for complicated test statistics. For each bootstrap sample, \bar{e} , \bar{t} , p , $\hat{\pi}$, and m are calculated. A total of 1,000 bootstrap samples will be used. The reported estimates are the mathematical means of the 1,000 bootstrap estimates. The standard deviation of the bootstrap estimates is the estimated standard error. The lower 5th and upper 95th percentiles of the 1,000 bootstrap estimates are estimates of the lower limit and upper limit of 90% confidence intervals. Bootstrapping is completed using R (R Development 2010).

Citations

Manly, B.F.J. Randomization, Bootstrap, and Monte Carlo Methods in Biology, 2nd Edition, Chapman and Hall, London (1997).

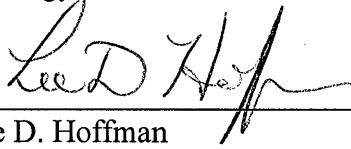
R Development Core Team, 2010. "The R Project for Statistical Computing," Institute for Statistics and Mathematics Resources Web Page, Institute for Statistics and Mathematics, Wein, Austria. R version 2.11. <http://www.R-project.org>

Shoenfeld, P. 2004, "Suggestions Regarding Avian Mortality Extrapolation," Technical memo provided to FPL Energy. West Virginia Highlands Conservancy, HC70, Box 553, Davis, West Virginia, 26260.

- Q2. In regards to the seepage envelope (sheet 601), will this feature be installed prior to construction of the turbine? If so, is it capable of supporting the load of the crane? If not, what other wetland crossing method will be used?**
- A2. The wetlands seepage envelope will be installed with the initial construction of the road. The envelope will be able to withstand the load of the crane and other vehicles and equipment necessary for the construction of wind turbine #3.

Respectfully Submitted,
BNE Energy, Inc.

By: _____


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Its Attorneys

Certification

This is to certify that a copy of the foregoing has been sent this date to all parties and intervenors of record, via U.S. Mail and/or Electronic Mail.

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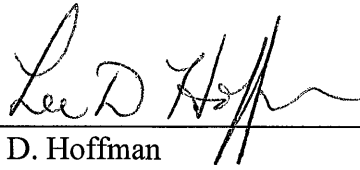
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A handwritten signature in cursive script, appearing to read "Lee D. Hoffman". The signature is written in black ink and is positioned above a horizontal line.

Lee D. Hoffman

ACTIVE/72955.2/MSTONE/2618423v1