



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Internet: ct.gov/csc

Daniel F. Caruso

Chairman

January 28, 2011

Carrie L. Larson, Esq.
Pullman & Comley, LLC
90 State House Square
Hartford, CT 06103

RE: **PETITION NO. 983** - 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.

Dear Attorney Larson:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than February 23, 2011. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 copies to this office and a pdf copy. In accordance with the State Solid Waste Management Plan, the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. Fewer copies of bulk material may be provided as appropriate.

Yours very truly,

Linda Roberts
Executive Director

c: Paul Corey, Chairman, BNE Energy Inc.
Council Members
Parties and Intervenors



CONNECTICUT SITING COUNCIL
Affirmative Action / Equal Opportunity Employer

**Petition 983: BNE Energy
Colebrook, Connecticut
Pre-Hearing Interrogatories, Set One**

1. What were the results of BNE's mailing of notices to abutting property owners? How many return receipts did BNE receive? If some receipts were not returned, did BNE make additional efforts to notify abutters?
2. On what date was BNE's legal notice in the Litchfield County Times published? Provide the affidavit of publication if available.
3. How many properties were investigated and rejected in the search for the Wind Colebrook South project's site in this area? List those properties.
4. How many residences are located within 2,000 feet of the property on which Wind Colebrook South would be located?
5. Provide a cost estimate for the proposed project broken down by different component costs.
6. In Volume I of the Petition, page 27, the predicted sound levels are less at nighttime than daytime. Explain why.
7. Provide the addresses of the residential properties identified as R1 through R8 in the Sound Level Calculations included as part of the Noise Evaluation (Volume 3, Exhibit M).
8. Explain how BNE determined that the host property is a Class C noise emitter for its Noise Evaluation.
9. Did BNE take any existing noise level measurements on the host property or near the immediately surrounding properties identified in its noise evaluation for the Wind Colebrook South project? If so, what were the results?
10. Provide any noise specifications for the GE turbines BNE has selected for the Wind Colebrook South project.
11. On page 7 of Exhibit M, the Noise Evaluation, it is stated that the project generated sound levels are based on an assumed daytime wind speed of 9 m/s and a nighttime wind speed of 8 m/s. Please explain the basis for selecting these wind speeds.
12. Is there an industry-adopted engineering standard to which wind turbines are normally built? If so, what is this standard?
13. Does the turbine fall zone remain within the subject property boundaries? If no, indicate by how many feet the fall zone extends beyond the subject property boundaries.
14. Are there any industry-accepted guidelines for the minimum amount of acreage required per wind turbine? If so, what are these guidelines?
15. Describe the normal maintenance schedule for the turbines selected by BNE.

16. At what wind speed would the proposed blades begin producing electricity? Provide similar data based on 100 meter diameter blades?
17. Provide a shadow flicker analysis that estimates the number of hours per year this condition may occur, and the extent to which the effects may be discerned.
18. Provide an estimate of the total area to be cleared for the project, including turbine sites, laydown areas, access roads, and electrical collector yard.
19. Estimate the number of trees with diameters at breast height of six inches or more that would be cleared for the project.
20. Would the laydown areas be allowed to revegetate after the turbines are installed?
21. Approximately how many megawatt hours in a year would the proposed project have to generate in order to be commercially viable? How many hours of operation does this number represent?
22. Volume 1, page 11 of the Petition discusses emissions offsets. Please provide the basis for the estimates of emissions reductions of air pollutants compared to fossil-fueled generation, including assumptions regarding fuel mix, emission factors, and capacity.
23. What is the maximum distance that ice could be thrown from the proposed wind turbines? Provide the detailed calculations. How many homes are located within this distance?
24. How does BNE intend to monitor the facility for ice build up on the blades and potential ice throw? What could be done if ice does begin to build up on the blades?
25. What is the approximate distance that parts of the blades could be thrown from a turbine? Provide such calculations. How many residences are located within this distance?
26. Did BNE make any attempts to determine the presence of raptors in the vicinity of the project area? If so, what were the results of these attempts?
27. Is the Wind Colebrook South project located near any Important Bird Areas designated by the Connecticut Audubon Society?